

<110> Ruben et al.

<120> 94 Human Secreted Proteins

<130> PZ029P1D3

<150> 10/115,123

<151> 2002-04-04

<150> 09/461,325

<151> 1999-12-14

<150> PCT/US99/13418

<151> 1999-06-15

<150> 60/089,507

<151> 1998-06-16

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<151> 1998-06-16

<150> 60/090,112

<151> 1998-06-22

<150> 60/090,113

<151> 1998-06-22

<160> 532

<170> PatentIn Ver. 2.0

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<213> Homo sapiens

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 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
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<212> DNA

<213> Homo sapiens

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<210> 18
 <211> 1287
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1188)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1202)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (1264)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (1277)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1282)

<223> n equals a,t,g, or c

<400> 18

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gagaatttgk	attttagatag	aaagtcagaa	agtcctcgag	agtccttnta	aaaccggggc	1200
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<210> 19

<211> 1396

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (668)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (739)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (751)

<223> n equals a,t,g, or c

<400> 19

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<210> 20

<211> 1277

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1207)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1272)

<223> n equals a,t,g, or c

<400> 20

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gcagccaagt	gtcctctatg	cttaagctcg	ctctccaaaa	ctgctgcccc	cagctgtggc	180
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gttttacctc	cgctattgtg	gcaggagtcc	tggagatgga	gcgcttacac	tacatccacc	660
acaacgagac	cgtgtcccag	cagattgggg	aggctcctgta	caacgcggca	ccactgtcca	720
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aaaaaaaaaa	anaaaaaa					1277

<210> 21
 <211> 1781
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1494)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1496)
 <223> n equals a,t,g, or c

<400> 21	
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ccgtgcccag	ggccccgggc
caaggtgggg	cacgagcgta
cctcagcctc	aagccgctgc
gctcatcatc	catctggcgc
gagtatgaag	aggcaatgag
gaccagaacc	gtgatgggca
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cctgatgggtg	acggagtgcg
cacaagtaca	tgaggagcca
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cgatatgggtg	agggggggcca
accatctgct	cccataccaa
cgctacatga	cagtgtgtgt
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1781

<210> 22
 <211> 1491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1425)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1426)
 <223> n equals a,t,g, or c

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 ccgtcttctc tttttccttt ttctttccat tggtttaagt agatcattgt gcaaacattg 240
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 agacagaagc tgacttgagt gctggccaga gaatcaggaa ccagtcactt cccacgaaag 360
 caggacagag acaccgcctg tttcagtcct aaagagctgg ccagaacggg ggggctgtgtg 420
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<210> 23
 <211> 1839
 <212> DNA
 <213> Homo sapiens

<400> 23
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 tcttgctgct gttggctgtc tgcttggggg cccagagccg caaccaagag gagcgtctgc 180

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<210> 24

<211> 1384

<212> DNA

<213> Homo sapiens

<400> 24

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tatcatgttt	ctttggcctc	cagtctctgg	tgtttgccta	agctttatta	gagacaggtc	180
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ctgttatccc	ttgactcttt	acagttctac	ctttttatcc	acttagtctt	ttaccctttt	360
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<210> 25

<211> 1681

<212> DNA

<213> Homo sapiens

<400> 25

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<210> 26

<211> 1949

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1130)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1948)

<223> n equals a,t,g, or c

<400> 26

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<210> 27

<211> 2286

<212> DNA

<213> Homo sapiens

<220>

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<222> (2262)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2264)

<223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2278)
 <223> n equals a,t,g, or c

<220>
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 <222> (2279)
 <223> n equals a,t,g, or c

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 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 28
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 <211> 1296
 <212> DNA
 <213> Homo sapiens

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<210> 30
 <211> 1979
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE

<222> (968)

<223> n equals a,t,g, or c

<400> 30

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<210> 31

<211> 1274

<212> DNA

<213> Homo sapiens

<400> 31

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 <212> DNA
 <213> Homo sapiens

<400> 32						
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gtattttttt	ttactgtgag	ttatggcaaa	aaaagtTttg	aaagccgctt	ctaaataatg	1440
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	a			1531

<210> 33
 <211> 2090
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE

<222> (967)

<223> n equals a,t,g, or c

<400> 33

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ccgagctgat	gcccataatt	gtattgatcc	tcgtgtcatt	attaagccag	ttgatggctt	120
ctaatacctcc	ttattcctta	tatcccagat	ctgggaactgg	gcaaaactatt	aaaatgcaaa	180
cagaaaacttt	gggtgttgtt	tattatgtca	acaaggactt	caaaaatgaa	tataaaggaa	240
tgttattaca	aaaggtagaa	aagagtgtgg	aggaagatta	tgtgactaat	attcgaaata	300
actgctggaa	agaaagacaa	caaaaaacag	atatgcagta	tgcagcaaaa	gtataccgtg	360
atgatcgact	ccgaagaagg	cagatgcctt	gagcatggac	aactgtaaag	aattagagcg	420
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ttttcatttt	aaaagcttac	atgattccta	actaaagtgt	catgagaaaag	gattatcaca	720
cctgtagcaa	tttccagttt	tagtgattct	ccattttttt	ccttgtagtg	taaatattta	780
tggaaatgatc	attttgtgta	catacagggt	actgcttttt	tatttaaatt	cttttagtgt	840
ttagctccat	gagacacttc	agtttaaatt	gatggaataa	atgttatatg	acacatttac	900
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aatatcagtt	tgctatttag	ttttatgaat	tactatacat	atacatgcat	agaaatgaaa	1140
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tgacctctta	aaaatgttct	gttgtatccc	cttttccagg	tgaatcaata	gaaatgcctg	1980
attgaattag	taggttaaac	taaacaacat	actgtcatag	gaaaactgga	gagcttaacc	2040
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<210> 34

<211> 1006

<212> DNA

<213> Homo sapiens

<400> 34

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gtgggagccg	ccgcgctccg	ggctgccgct	gtggggccgag	ggcctcacct	tcttctactg	180
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gggtggccgtg	ctggcgcgcg	ccgccaacat	ggcgctgttc	cgggacagcc	gtgtctcggc	360
catcttcgtc	ggcaaaaacg	tgggtggcgt	cgccaccaag	gcctgcacct	tcctggagta	420

ccgccgccag	gtgcgcgact	tcccgcgcgc	tgcgctatca	ctggagctgc	agccgccacc	480
cccgcagcgc	aactcgggtgc	cgccgcgcgc	gccgctgcac	ggcccgcctg	ggcgccccc	540
catgtcctcg	cccacgcgtg	accccttgga	cacgtgacag	ggcccgcgcg	gccccgcaca	600
cgcccctggg	gcgcagagac	accgggttgg	cttggggcgc	gcggtttgca	tgggatgggg	660
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cctgcctgct	gggccgcccc	ggttggaagg	gagggcagtg	tgggcggaga	tctgtctctt	900
cggtgggggc	ctctggctca	gatttggggc	caaggaggcc	tctgtcattt	taaagactcg	960
tgtttacagt	tttgtaaaaa	aaaaaaaaaa	aaaaaaaaaa	ctcgag		1006

<210> 35

<211> 1787

<212> DNA

<213> Homo sapiens

<400> 35

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aagsracaga	agagcaaaaag	aaaaagacaa	tagttgaact	tgcagagaca	ggaagtctgg	120
acctcagtat	attctgcagt	acctgtttga	tacgaaaacc	ggtgagggtcc	aaacattgtg	180
gtgtgtgcaa	ccgctgtata	gcaaaaatttg	atcatcattg	cccatgggtg	ggtaactgtg	240
taggtgcagg	caaccataga	tattttatgg	gctacctatt	cttcttgctt	tttatgatct	300
gctggatgat	ttatggttgt	atatcttact	ggggactcca	ctgtgagacc	acttacacca	360
aggatggatt	ttggacatac	attactcaga	ttgccacgtg	ttcaccttgg	atgttttggga	420
tgttcctgaa	cagtgttttc	cacttcatgt	gggtggctgt	attactcatg	tgtcagatgt	480
accagatatc	atgttttaggt	attactacaa	atgaaagaat	gaatgccagg	agatacaagc	540
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gaaattcaca	acataactcaa	cttttgggtt	ttgttctcac	agtatttttc	acaaaaaaag	1020
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aactaaattt	atgttatattg	gctaaatggt	atgatgcagt	ctagtacgag	tattgcatct	1140
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acataaatac	tgtgatgaaa	atcatgtgat	tgggatctac	tgtgatgttg	tcttcaargg	1260
caggagaaaa	taatgttcac	aataaaatgt	gctaacaatg	ttttgtttct	atcagctgtt	1320
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tggatatact	tcctttttaa	ttctcagctg	caaaataatt	gtagrcaaaa	twatggcatt	1680
taactaaaga	tggagcatga	tctgtgtaca	tagcacatgt	gaataaaaaga	aaagctgaca	1740
gtataaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaggg	cgccgc		1787

<210> 36

<211> 1201

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (48)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (63)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1201)
 <223> n equals a,t,g, or c

<400> 36
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 ccgctatctt ttgggttcat tccaaatagt tttgtgccat tgaaaaactt gaccttcaaa 180
 aaaatttgtt tttcagaata gaacacaata ggacagtgac tgcacagttg tgaaaaagga 240
 agagaatcat taaagaaaaa gaaaaaagat ttttaagaccg ttgaaatcaa ttatcaagaa 300
 cgtcctaaaa cacctatggc tttgactttg ttattgatcc agattatttt ccttgcatg 360
 gggaaaaatat ctttcatatt tgtttgctgt aaagatgggt ttgcaagaat aagtcatgac 420
 caagacaaac tgccaatata aaagcccact gatactaatt atataatgag aaaaaaatgt 480
 atccaactag gacacatatc ttttgagtta tttggactga aagcttaaga aaacttggaa 540
 aattctatct tgtgatctag tcaagccaca gttatcaaag gctacatttt cagtgtgaaga 600
 taaatggatg agtaaactca aatatgtatc acgtgtgctt tgtatcttaa gatgtgtttc 660
 caagagcatc tgaaattttg tttgtacatg tatcttgatc atttataaaag ccactgtgat 720
 ctataaatca agaaaatcca ttgtcataac catTTTTTaaa agtcaaaaaat taagacatcc 780
 ttaattaaaa agtttcaaact ctagacacta aatgtgtgtg aatgtacaaa gaaaacaaac 840
 cattgcttat gctgttatat actagagaaa ttttgttttg cttgctgttt taacttgaca 900
 gatgaaggac tttagttgaa cttcatattg taagaactgt taataaaaagt tgtcaagtaa 960
 aaagcgtat atctaaaaag actttatgaa cagttattct atcaactttt aaagggttta 1020
 aacctgcccc gaaattacct tggatatcga agtttccctc tgtctcctcc tctaattaag 1080
 cttgttattt gtcatgcacc agcattggag ataataaaat ttcttgttct gtgtaaaaaa 1140
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
 n 1201

<210> 37
 <211> 1896
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (444)
 <223> n equals a,t,g, or c

<400> 37

ctgcaggaat	tccggcacgag	cggaaccggg	gccggctgct	gtgcatgctg	gcgctgacct	60
tcatgttcat	ggtgctggag	gtgggtggga	gccgggtgac	ctcgtcgctg	gcgatgctct	120
ccgactcctt	ccacatgctg	tcggacgtgc	tggcgctggg	ggtggcgctg	gtggccgagc	180
gcttcgccc	gcggacccac	gccacccaga	agaacacgtt	cggctggatc	cgagccgagg	240
taatgggggc	tctggtgaac	gccatcttcc	tgactggcct	ctgtttcgcc	atcctgctgg	300
aggccatcga	gcgcttcatc	gagccgcacg	agatgcagca	gccgctgggtg	gtccttgggg	360
tccggcgtggc	cgggctgctg	gtcaacgtgc	tggggctctg	cctcttccac	catcacagcg	420
gcttcagcca	ggactccggc	cacngccact	cgcacggggg	tcacggccac	ggccacggcc	480
tccccaaagg	gcctcgctt	aagagcacc	gccccgggag	cagcgacatc	aacgtggccc	540
cgggcgagca	gggtcccgac	caggaggaga	ccaacaccct	ggtggccaat	accagcaact	600
ccaacgggct	gaaattggac	cccgcagacc	cagaaaaccc	cagaagtggg	gatacagtgg	660
aagtacaagt	gaatggaaat	cttgctcagag	aacctgacca	tatggaactg	gaagaagata	720
gggctggaca	acttaacatg	cgtggagttt	ttctgcatgt	ccttggagat	gccttggggt	780
cagtgattgt	agtagtaaat	gccttagtct	tttacttttc	ttggaaagggt	tgttctgaag	840
gggatttttg	tgtgaatcca	tgtttccctg	acccctgcaa	gccatttgta	gaaataatta	900
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ctgctcttat	tcttctacaa	actgttccct	aacaaattga	tatcagaaat	ttgataaaag	1080
aacttcgaaa	tgttgaagga	gttgaggaag	ttcatgaatt	acatgttttg	caacttgctg	1140
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tggctaamc	cattaaagac	gtttttcata	atcacggaat	tcacgctact	accattcagc	1260
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agcccaggag	gactaaagct	gaaaacatcc	ctgctgttgt	gatagagatt	aaaaacatgc	1500
ccaaacaaac	aacctgaatc	atctttgtga	gtcttgaaaa	agatgtgata	tttgactttt	1560
gcttttaaact	gcaagaggaa	aaagactcca	ctgaaattct	aagtttgcca	agtagtgtaa	1620
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cataacagag	ttctatatta	caattttgtg	attattagta	cagagtacag	ctatgctgtg	1740
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ttatataaca	taatgacatt	tgatttctgg	atttttccca	tgataaaaaat	taggggggata	1860
aataaaattg	ttactggaat	ttctctgcaa	aaaaaa			1896

<210> 38

<211> 1152

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1145)

<223> n equals a,t,g, or c

<400> 38

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acatcggtgc	tcagttcttt	gtagaagagt	ggcggaatt	tgtagaaaag	cctacaagat	120
gcagccctgt	gtcatcagtt	gggaacagtg	ctcttttgtg	tccccacggg	ggcctcatgt	180
ttacatttgc	ttccatgacc	aaagaagatt	ctaaacttat	agctctcata	tggcccagtg	240
agtggcaaat	gatacaaaag	ctctttgttg	tggatcatgt	aattaaaaatc	acgagaattg	300
aagtgggaga	tgtaaaccct	tcagaaacac	agtatatattc	tgagcccaaa	ctctgtccag	360
aatgcagaga	aggcttattg	tgtcagcagc	agagggacct	gcgtgaatac	actcaagcca	420
ccatctatgt	ccataaagtt	gtggataata	aaaaggatgat	gaaggattcg	gctccggaac	480
tgaatgtgag	tagttctgaa	acagaggagg	acaaggaaga	agctaaacca	gatggagaaa	540
aagatccaga	ttttaatcaa	agcmatgggtg	gaacaaagcg	gcaaaaagata	tcccatcaaa	600

attatatagc	ctatcaaaaag	caagttattc	gccgaagtat	gcgacataga	aaagttcgtg	660
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tgcattgcat	ttcagttgct	ccttttgacc	agaatttgct	aattgatgga	aagattttaa	780
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tgctaagaaa	tgaccagagg	ggaagaggag	tttgacatgt	tagggcatta	aagcaaagg	1020
ggatttaaga	attaaacat	tacatgcccc	ttccaaaagg	cagaaatcca	ttcaaactg	1080
actgtcccaa	atgccttatg	tcaataaag	cagattgcac	tgatggaaaa	aaaaaaaaa	1140
aaaanactcg	ag					1152

<210> 39
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (822)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (994)
 <223> n equals a,t,g, or c

<400> 39						
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agccctcgctg	ggatggatca	caggtgctgc	tgtggcggtc	ctgctgctgc	tgctgctgct	180
ggccacctgc	cttttccacg	gacggcagga	ctgtgacgtg	gagaggaacc	gtacagctgc	240
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aatctttcac	catcaccgtc	atcctggcca	cgtatctcat	gtgccgaatg	tgggcctcca	360
ccaccaccac	cacccccgcc	acamccctca	ccaccwccac	caccaccacc	acccccaccg	420
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ggttttggga	gtggagagca	agggtgctct	ttcggggctg	gacagcccgt	cttgtgacag	720
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<210> 40
 <211> 1777
 <212> DNA
 <213> Homo sapiens

<400> 40						
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caggtgcctg	cgtatgctac	aatgagccca	aggtgacgac	aagctgcccc	cagcagggcc	180
tgcaggctgt	gcccgtgggc	atccctgctg	ccagccagcg	catcttcctg	cacggcaacc	240
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tgcactcgaa	tgtgtctggc	cgaattgatg	cggctgcctt	cactggcctg	gccctcctgg	360
agcagctgga	cctcagcgat	aatgcacagc	tccggtctgt	ggacctgcc	acattccacg	420
gcctggggccg	cctacacacg	gtgcacctgg	accgctgcgg	cctgcaggag	ctggggcccg	480
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tcatgacact	ctatctgttt	gccaacaatc	tatcagcgct	gcccactgag	gccctggccc	780
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cacgcccact	ctgggcctgg	ctgcagaagt	tccgcggctc	ctcctccgag	gtgccctgca	900
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gctgcgctgt	ggccaccggc	ccttaccatc	ccatctggac	cggcagggcc	accgatgagg	1020
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atcgcggtat	atagagatat	gcattttatt	ttacttgtgt	aaaaatatcg	gacgacgtgg	1740
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<210> 41
 <211> 1003
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (990)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1002)
 <223> n equals a,t,g, or c

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ttaaagtatg	attcaggtat	tgttgatttc	tttactgtgt	aataaaaaag	ttgaaaaaaa	960
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<210> 42

<211> 1201

<212> DNA

<213> Homo sapiens

<400> 42

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tcattgggtca	aaggaagtca	gagggccaag	atgaagaggc	agggaaatat	gcactgcca	360
cagtgaagcc	atgacaagag	tgaggatgca	ggaaggcatg	aagaattggg	gccaacagtt	420
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<210> 43

<211> 1176

<212> DNA

<213> Homo sapiens

<400> 43

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gaggccccag	tgatattttg	actttttcaa	tgtggtgaat	aagtgagagt	tgtttgttga	480
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<210> 44
 <211> 569
 <212> DNA
 <213> Homo sapiens

<400> 44						
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<210> 45
 <211> 986
 <212> DNA
 <213> Homo sapiens

<400> 45						
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aaaaaaaaaa	aaaaaaaggg	ggccgc				986

<210> 46
 <211> 1540
 <212> DNA
 <213> Homo sapiens

<400> 46
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 ctctcatttt cttcctcgcc tggcttgtga agaacgtgtt tattgctgtt atcattgaaa 180
 catttgcaga aatcagagta cagtttcaac aaatgtgggg atcgagaagc agcactacct 240
 caacagccac caccagatg tttcatgaag atgctgctgg aggttggcag ctggtagctg 300
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 ctctttaagc tctagatttg tccaaattta aaatcctgaa gttagagatg gtatttctact 480
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 atacttaagg taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1540

<210> 47
 <211> 792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (759)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (760)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (774)
 <223> n equals a,t,g, or c

<220>

<221> SITE

<222> (779)

<223> n equals a,t,g, or c

<400> 47

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<210> 48

<211> 1497

<212> DNA

<213> Homo sapiens

<400> 48

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cgtctgacgt	tttttccttt	cggttacatg	tccgtatctc	ctctttcccc	tttttccccct	240
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ttattagcat	aacgaagcca	tcagcattgc	atcaagcggg	tcctcgtacc	cttttccttg	420
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<210> 49

<211> 1340
 <212> DNA
 <213> Homo sapiens

<400> 49
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 aaaaaaaaaa aaaaaaaaaa 1340

<210> 50
 <211> 1539
 <212> DNA
 <213> Homo sapiens

<400> 50
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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 53

<211> 2288

<212> DNA

<213> Homo sapiens

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<400> 53

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<211> 1512

<212> DNA

<213> Homo sapiens

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<210> 55
 <211> 1357

<212> DNA

<213> Homo sapiens

<400> 55

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<213> Homo sapiens

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<222> (161)

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<221> SITE

<222> (1702)

<223> n equals a,t,g, or c

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<222> (1943)

<223> n equals a,t,g, or c

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<212> DNA

<213> Homo sapiens

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<222> (2538)

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<210> 58

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (766)

<223> n equals a,t,g, or c

<400> 58

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cccactcccc	ksggatctat	cttgggatcc	catggctttc	tttactgggc	tctggggccc	120

cttcacctgt	gtaagcagag	tgctgagcca	tcactgtttc	agcaccactg	ggagtctgag	180
tgcgattcag	aagatgacgc	gggtacgagt	gggtggacaac	agtgccctgg	ggaacagccc	240
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cgaccagata	ctactggcca	tcaagggaca	gaagaaaaag	gcgctcattg	tggggcactg	360
catgcctggc	ccccgaatga	ccccagatt	ygactccaac	aacgtggtcc	tcattgagga	420
caacgggaac	cctgtgggga	cacgaattaa	gacaccatc	cccaccagcc	tgcgcaagcg	480
ggaaggcgag	tattccaagg	tgctggccat	tgctcagaac	tttgtgtgag	ttgagcccgag	540
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aataaatgta	ttcatttatg	tgtttttcca	gagctttctg	ggatgtggga	aaataaatta	720
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<210> 59
 <211> 879
 <212> DNA
 <213> Homo sapiens

<400> 59						
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caaatcgcca	gcttcacgca	caacctcatt	tttcaccttt	gggtgtgggg	gtcagagtcg	360
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gccacarcgg	cctkgcagta	cctkgggagg	gggtgatgac	aggtgcacac	ggaggcccat	720
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<210> 60
 <211> 1161
 <212> DNA
 <213> Homo sapiens

<400> 60						
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ccgggccctg	gagatggtcc	ccggcgccgc	gggctgggtg	tgtctcgtgc	tctggctccc	180
cgcgtgcgtc	gcggcccacg	gcttccgtat	ccatgattat	ttgtactttc	aagtgtctgag	240
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caacgcattg	acaatgacag	cttctacgtg	gagatgatcc	aggacagtac	ccagcgcaca	540
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gaacagcatg	ggctgccatg	ggccatcatt	tccatcccag	tcaatgtcac	cagcatcccc	660
acctttgagc	tgctgcaacc	gccttggaac	ttctggtaga	agagtgtgtc	ccacattcca	720
gccataagtg	actctgagct	gggaagggga	aaccaggaa	ttttgctact	tggaaatttg	780

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tacaagaaga	ggcaagagac	aggccccagg	gcttctggct	agaacccgaa	acaaaaggag	960
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gttaaaaaaa	aaaaaaaaaa	a				1161

<210> 61
 <211> 687
 <212> DNA
 <213> Homo sapiens

<400> 61	
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agaaggctgct	gggtcttgag ccacagctgc agccaatgca gcagtcgcgc ctcttcttctc 180
cgtttctgtt	tttctctctt gagggttgag ctcttcttctc tctaggtcct ggagcagctc 240
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ccataacgaa	ccggggacca ccccgagggc ggcgccgtaa cgcgcgaaact gcttagcgcg 600
tagcgcggtc	ccagctgcc cgcgggggtc aggaggctcct cggggtctgg ccaccggggg 660
cccgggtgcg	cgcggggggcg gccgctc 687

<210> 62
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 62	
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<210> 63
 <211> 911
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (911)
 <223> n equals a,t,g, or c

<400> 63

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atccagtcct	ttctaatacc	ctgagtcaac	acattactcc	tgcaggctct	aggctacaat	180
gcagggtccct	tgagggccac	caacatggag	gtaggcagtt	tctaggactg	tccccagtac	240
atctcaccac	ccacagccct	ttttttgcct	tgattcgagc	ctcaccctgg	cctttttggct	300
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gaaggatctc	tatgtatgtg	tgtatataaa	tatagttttt	tatctatata	tataaaaaaa	840
aaaaaaaaaa	aaaaaaaaact	cgaggggggg	cccgggtaccc	aattcgccat	atgggtgatgg	900
caaatgggaa	n					911

<210> 64

<211> 963

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<400> 64

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gtcgctcctc	gatccagccg	gggcccagat	tcactgagg	ttagagtcca	tttacaagc	900
tgccaggaaa	ccggccactt	ctagtaaacc	acgtcgtgcc	tcactgaaaa	aaaaaaaaaa	960
agg						963

<210> 65

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 65

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actttgcca	tcaatacaca	ggatttagca	tccaggggaag	atgtcggagc	ctcagatgtt	120
aattttctaa	ttgagaatgt	tggcgctgtc	cgaacctgga	gacagagtat	cagcgccttt	180
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atactgacta	ccatcactgt	gatgagattc	ctatagtctc	aggractgaa	gtcttttaaac	360
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cgaggatcat	gggagaccac	ctggaccttc	tcctaggagt	ggtgctcatg	gccggtcctg	480
tgtttggaat	tccttcctgc	tcctttgatg	gccgaatagc	cttttatcgt	ttctgcaacc	540
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gtagccttta	ccttcacctt	tcatttgga	agttgaattc	cttaaagtcc	atagattttt	960
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<210> 66

<211> 1558

<212> DNA

<213> Homo sapiens

<400> 66

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<210> 67

<211> 1322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (690)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (719)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (720)
 <223> n equals a,t,g, or c

<400> 67
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 ag 1322

<210> 68
 <211> 865
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (445)
 <223> n equals a,t,g, or c

<400> 68
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 gaagaagggg cggggtatgg gagaagcctc cccacctgcc cccgcaaggc ggcattctgt 180
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 ccccgaaaag acccacttac tgtacatcct caggccctct cggcagctgt aggggtgggg 780
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<210> 69
 <211> 1150
 <212> DNA
 <213> Homo sapiens

<400> 69
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 ctgagctggt ttaacaatgg gatccacaat tatcaacaag gggaagaaga catagacaaa 240
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 aaaaaaaaaa 1150

<210> 70
 <211> 1398
 <212> DNA
 <213> Homo sapiens

<400> 70

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tgagcctgac	tccccaaccc	ccacaaccct	tttatatata	tatggcatat	tacagtgaga	180
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<210> 71

<211> 1557

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1541)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1549)

<223> n equals a,t,g, or c

<400> 71

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cgtattctcc	acactcacca	caagtggctg	ggtgtgactt	gacacggtgt	gaaagtggag	180
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aagaggcctt	catccacatt	cagcgtctcc	aggctgagga	gcagcagaaa	gccccagggg	540
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agaagtacct	gcgcatacacc	cggcagcaga	actaccacag	catggagagc	atcctgcagc	660

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<210> 72

<211> 1163

<212> DNA

<213> Homo sapiens

<400> 72

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<210> 73

<211> 1486

<212> DNA

<213> Homo sapiens

<400> 73

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gagtccaatg	cccgcgtttt	accttattca	ataagaaggg	cttcatttat	ggcaagacag	180
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<210> 74

<211> 1553

<212> DNA

<213> Homo sapiens

<400> 74

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<210> 75
 <211> 1650
 <212> DNA
 <213> Homo sapiens

<400> 75
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<210> 76
 <211> 2150
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (874)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1198)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (1201)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1266)
 <223> n equals a,t,g, or c

<400> 76

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<210> 77
 <211> 1592
 <212> DNA
 <213> Homo sapiens

<400> 77

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<210> 78
<211> 1579
<212> DNA
<213> Homo sapiens

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<220>
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<222> (1529)
<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<210> 79

<211> 1396

<212> DNA

<213> Homo sapiens

<400> 79

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<210> 80

<211> 1230
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1223)
 <223> n equals a,t,g, or c

<400> 80

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<210> 81
 <211> 1139
 <212> DNA
 <213> Homo sapiens

<400> 81

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<210> 82

<211> 1409

<212> DNA

<213> Homo sapiens

<400> 82

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<210> 83

<211> 714

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (704)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (709)

<223> n equals a,t,g, or c

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<222> (714)

<223> n equals a,t,g, or c

<400> 83

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<210> 84

<211> 1097

<212> DNA

<213> Homo sapiens

<400> 84

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gcctcccctt	gccaggcctt	ttctcagact	gtattccatc	ctgggggtctt	atcattcagc	960
tttgtttgaa	tttattaatc	accatgatac	ctctccctcc	ctttgtccac	atgtaacttg	1020
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aaaaaaaaaa	aaaaaaa					1097

<210> 85

<211> 1931

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1904)

<223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (1914)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1921)
 <223> n equals a,t,g, or c

<400> 85

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caacgtcccc	gagagtcctc	gaatccccgc	tcccaggcta	cctaagagga	tgagcgggtg	180
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ggggacacaa	gcaggcgcca	atggtatctg	ggcgaggctc	acagagttct	tgggaataaaa	1860
gcaacctcag	aacaaaaaaa	aaaaaaaaaa	aaaagggcgg	ccgncctaaa	aggntccaag	1920
nttacgttac	g					1931

<210> 86
 <211> 1092
 <212> DNA
 <213> Homo sapiens

<400> 86

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ccactacctg	cccgcactca	ccttccaaat	ccttctgctc	cctgtggtcc	tgcagcacat	180
cagcgaccac	ctgtgcagg	cccagctcca	gaggagcatc	ttcagcgccc	tgggtgggtgc	240

ctggtactcc	tccgcgtgcc	acgtgtccaa	cacgctgcgc	ccactcacct	acggggacaa	300
gtcactctcg	ccacatgaac	tcaaggccct	tcgctggaaa	gacagctggg	acatcttgat	360
ccgaaaacac	tagaacaaga	gtgtggcaaa	gaacaccctg	gctggggctg	ggacgaggtt	420
gaagggctct	ggtcaatgta	cgtaatgagc	aggggtgggc	ccacgctggg	aggacacggg	480
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tgacagcgtc	aagactggcc	cttggcaccg	tgctgtgtgg	aaaccctccc	ctctgagact	960
ccactgagac	gtggctgagt	gaaatcttcc	tcgtcagtgg	tcaagggtgtg	tcattccatac	1020
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aaaaaaaaaa	aa					1092

<210> 87

<211> 578

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (576)

<223> n equals a,t,g, or c

<400> 87

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cccttacctg	gaggcaggca	agggcacagg	ctggagccat	gctgctcttc	gggctgtgct	120
ggggggcccta	cgtggccaca	ctgctcctct	cagtccctggc	ctatgakcag	cgcccggccac	180
tgsggccttg	gacactgttg	tccctcctct	ccctaggaag	tgccagtgca	gcggcagtcg	240
ccgtagccat	ggggctgggc	gatcagcgct	acacagcccc	ctggagggca	gccgcccacaa	300
ggtgcctgca	ggggctgtgg	ggaagagcct	cccgggacag	tcccggcccc	agcattgcct	360
accacccaag	cagccaaagc	agtgtcgacc	tggacttgaa	ctaaaggaag	ggcctctgct	420
gactcctacc	agagcatccg	tccagctcag	ccatccagcc	tgtctctact	gggccccact	480
tctctggatc	agagaccctg	cctctgtttg	accccgcact	gactgaataa	agctcctctg	540
gccgtttaa	aaaaaaaaaa	aaaaaaaaaa	gggggncc			578

<210> 88

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (661)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (694)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (696)
 <223> n equals a,t,g, or c

<400> 88
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 ccacagacat gagtgcaggt aagtggctcc tgctgggtgat cttcagggat ttgggatgcg 120
 gagtttccag gacgtctccg cacttgagga gtggagagga gggaaggatc tggagcctac 180
 tcacagcctg ctctgtctgt tgcctcttcg tgatcttcta gtggttcttg gcgaaatcag 240
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 tgcggtcttg gctctgcctg taacaacccg agtgaccttg ggcaagtccc tgtccctctc 360
 tgggsctcag tttctccacc tgtatttgga ragggttgga atgggactg aagtcctgtc 420
 cagctctgac cttctgtgaa gtgcactgtt gagcagctct ggaagcttct gttccagcca 480
 tagccacaca gaggagcagc aggcaggcat caggcccaaa ctgctgctct ctgatgggct 540
 tggaccccat gaaagtgggg cctgctggat gcatttcctg ggattctgtg gaagctgac 600
 aggttgctgg ggcaagtgga ggcaggatag aagtgaaggg ctgtgggatg gagaacctca 660
 naagactcca tctgggggtcc gggaaaggac agananggt 699

<210> 89
 <211> 1126
 <212> DNA
 <213> Homo sapiens

<400> 89
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 agtgggggca gattctgctg ctggggaagg aaacaggagc ctgggttcaca gyttagtgat 180
 ggagatatga cctcagccct aagggggggt gctgatgacc aaggacagca cccactgttg 240
 aagatgcttc ttcacctgtt ggctttctct tctgcagcaa caggtcacct tcaagccagt 300
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 ttgcccaggt tccagtgtgt gttccaagt ctgccaaagt gcctcagccc agagacaccc 420
 ctgcctagcg tgctgctggc tgttgagctc ctctccctgc tggcggacca cgaccagctg 480
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 gtgtggctcc tggctaagct tgggtgtgaa gagccccctg cccccagtca ctggctccaa 660
 ctgccagtgt aatgtggagg tggtcagagc gctcacggtg atgttgaca gacagtggct 720
 gacagtgcgg agggcagggg gacccccaa gaccgaccag cagaggcgga cagtgcgctg 780
 tctgcgggac acggtgctgc tgctgcacgg cctatcgag aaggacaagc tcttcattgat 840
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 ggaaaccgat gtggaagacc ccgaggtgga gtgtggctga ggccctgagt gtccagccac 1020
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 aggaactgcc cagagaactg gaaaaaaaaa aaaaaaaaaa ctcgag 1126

<210> 90
 <211> 1037
 <212> DNA
 <213> Homo sapiens

<400> 90
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atctccccggc	ctcgggtcct	tgectggccc	agcatgagag	gtgcttcata	ggaacggagg	180
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gctcaccctc	tctggacctg	tctgcttcca	aggaagggga	ccctctgagg	tcccacagag	300
gccaccccag	ytgtgggtcg	tgagcatctc	tgtcttgacg	ggacagcatc	gtggccgagc	360
tggaaccgaga	gatgagcagg	agcgtggacg	tgaccaacac	camcttcctg	ctcatggccg	420
cctccatcta	tctccacgac	cagaacccgg	atgccgccct	gcgtgcgctg	caccaggggg	480
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ggtgcccccc	tccaccctag	gatgtgactc	cgggccatgt	ccagggcact	ggtcacagaa	960
agtgtgtcag	ttcttccccg	tgagctgtcc	ctgcagtgcc	tgccctccac	tgtgagttgc	1020
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<210> 91

<211> 1316

<212> DNA

<213> Homo sapiens

<400> 91

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ccggtccctg	ctcttctggg	ccctgggtcta	ctgctactgc	gggctctgcg	cctccatcca	180
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ccgggagcac	cctccgcgct	gcctgagcga	cccctccttg	ggcaccact	gctacgtgcg	300
gatcaaggat	tcagggttaa	gatttcaacta	tgttgctgct	ggagaaagag	gcaaaccact	360
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atttaaaagt	gaatatcgag	ttgtagcact	ggatttgaga	ggttatggag	aaacagatgc	480
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tcattccaaat	gtatttacag	aatatatattt	acgacaccct	gctcagctgt	tgaaatccag	720
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atctctaaat	aattttttaa	aattgttcat	caacttcttt	atgttttatt	agaaaaaac	1260
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<210> 92

<211> 1021

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (971)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1004)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1008)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1010)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1018)
 <223> n equals a,t,g, or c

<400> 92
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 ttgtgacttt ttagatgaaa tattagagct accccaccca gccacagata gcaactgtaac 180
 acttttcttaa tagagtatag gttcaaatta taaagtccac acaactggcta aaaagttcaa 240
 gttcagagtt tcaatcaatt ttcattgtaa ggatgaaact gagttttact caacttgtgt 300
 ctttttaaga gaatgggcca cctccacac atcctttctc ttggactttt tttaacactt 360
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 cttattaaat atttcaaatt gtttcttcat gtgaaaactg tcttattaat tgtaaaaagg 960
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 t 1021

<210> 93
 <211> 1260
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (314)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (356)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (590)
 <223> n equals a,t,g, or c

<400> 93

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tttaaaatta	catatgtagc	tcacactata	aaacacagat	tagaaatatt	gtatagcact	180
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<210> 94
 <211> 990
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (916)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (958)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (971)
 <223> n equals a,t,g, or c

<400> 94
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 catttagact ttattagtgg agccctcctc ttgacttttg cctatttcct tgtctttcag 180
 gtgtgccctg tgattaataa atggctctac aacctggacc agcatgtggt taaagagttg 240
 attagtaagt gctggagggt ggaagggaca ggaacactcc agaagaaagc tcagaaccct 300
 ccctcaccct ttgtatttca tttccctta cctcactctg gcacttctcc tagaccaaaa 360
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 tgaacgtgca ccttttagcta aggacgtgct gggttcaatt ctattcttgc tccaagcct 540
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<210> 95
 <211> 1710
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1702)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (1709)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<400> 95
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<210> 96
 <211> 781
 <212> DNA
 <213> Homo sapiens

<400> 96						
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g						781

<210> 97
 <211> 1113
 <212> DNA

<213> Homo sapiens

<400> 97

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<210> 98

<211> 1723

<212> DNA

<213> Homo sapiens

<400> 98

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<210> 99

<211> 2087

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> n equals a,t,g, or c

<400> 99

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<210> 100

<211> 751
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (663)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (702)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (705)
 <223> n equals a,t,g, or c

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<210> 101
 <211> 1223
 <212> DNA
 <213> Homo sapiens

<400> 101
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<210> 102
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<212> DNA
<213> Homo sapiens
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<221> SITE
<222> (607)
<223> n equals a,t,g, or c
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[illegible]

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<210> 103
<211> 1986
<212> DNA
<213> Homo sapiens
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<400> 103						
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tggctcttaca	gccttccaaa	ataactccag	ttgggcaccc	atgagctagg	atcaaacttt	1620
ctttatatatac	tttatatatt	ttacattatt	tctgattttt	aaagcaaatg	attgccatta	1680
tgattacact	caacctaaat	agttatgaac	agtttcagaa	caatgaaaaa	ttacaatact	1740
atgtgatagt	attgtaacta	tttttctatt	ttagtcatat	gtcgcttata	tcctaccaga	1800
actcttaaat	ctataatatt	cgatataatt	tcaaaactgc	tttattgtag	aagccatatt	1860
tatgttttatt	ttataatgtt	ttctagtgtc	aaactgtact	gtggagaaaa	gaaatgttag	1920
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aaaaaa						1986

<210> 104

<211> 1321

<212> DNA

<213> Homo sapiens

<400> 104

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acctgactgc	tcagtatgta	aattttttact	atgcctaagg	ttgaccacct	tttaatatgt	180
ttaggagcca	tttgtatttc	cttttgtttc	ccatattgtt	ttgttcctat	ccatttttct	240
actatatcgt	tgatatgttg	tttatttggt	agggatatga	accctttgac	agtaatgagt	300
tgcaaatatt	ttctttccaa	tttgtcatct	gtccttttgc	tatgatggct	ttgtcatgag	360
tttttaaaaa	tttttatgta	gtctgaatta	ccagtttttt	tagtggtttc	tggaatttga	420
gtcataatta	gaatgtattt	ctcaatccag	agcaatagag	taattcacct	aaattctaca	480
tctaaatttt	gaacctctga	agcatattct	ggcataagat	ataagttatg	gatctaacct	540
aattttttcc	gcaggtgatt	aaccagttg	ttccaatatt	atttattgaa	ctgtttgttt	600
tttcctgacg	agtttgagag	gctacattga	tcttatctta	gaatccgtca	tatgtattta	660
gctgtgtatc	tgcttctgtt	tctctgtatc	tgtttctatt	tcattgctct	atttagtcat	720
gcactagtac	cacattgttt	taattaccca	ggcttttagt	ttaatctagt	gcattgggtcc	780
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tctcagtgtc	tctattttta	gatagtctct	aggaatgatt	taaggactgt	tctcatgtaa	1140
aatccctatt	tcttttttta	ttccattacg	aattatttgc	ccaaaagttg	gatattctgtc	1200
aaagattcat	aagacaagag	ggagagaccc	ttaaataagt	actaaacttg	taaaatcaat	1260
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a						1321

<210> 105
 <211> 944
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (889)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (896)
 <223> n equals a,t,g, or c

<400> 105
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 aagacagatt ttagtataat actcctaaaa ctacactgtc tttttttttt ttctgtcata 120
 agtgtgcatt gtgctcagtc atttatttca gtgacccaaa cagagcccag tccagctgtt 180
 tgtattttcc ctgcagtggg aagtggacta gggccatgtg actaagaaaag ccagcctggg 240
 ggctgtcttt tcacctacag atgttttaat gtgcttaaca ttatccaata ctagcaaccg 300
 agatagtcta aataccacag caggatctga ttagcttttt cagatcactg cctttatttg 360
 ctgtttgcaa aaaagcttaa tccagtgtga gagatcaggc ttcctgctga gccctggggt 420
 agtttctctc attctttgtg ttcacagtgg caggcgtag tgagcagatt cctcctctc 480
 ctaaattaaa gctgtaaagt agtaactgtg gtagcaaggg ataaagagaa ggaagaaaac 540
 ccaaggga aaagaagact gtctattcat accaagtagt ttccttgata tacacaaaag 600
 aaagagtttc taatatgaat tcataaatac tgacctcagt gtctcttcta ctcagtgcac 660
 agctattaag ttttattagg tttcagttgt aactactttg tgtggatata tgttacgttt 720
 ttcataattt tcctactcaa tcaatctcag tttaccaga agaattacat ttattagcca 780
 taacagtggc ccttctctta ttcttttcag ggctgatatc ttttttattc atgagatttc 840
 aaaaagaact atcaccacca ctaacaaaaa aaaaaaaaaa aaaaaaagna cggccnctct 900
 agaggatccc tcgaggggcc caagcttacg cgtgcatggg acgt 944

<210> 106
 <211> 1172
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (904)
 <223> n equals a,t,g, or c

<400> 106
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 cctgggaaga tggccggccc gtggaccttc acccttctct gtggtttgct ggcagccacc 120
 ttgatccaag ccacctcag tcccactgca gttctcatcc tcggcccaaa agtcatcaaa 180
 gaaaagctga cacaggagct gaaggaccac aacgccacca gcatcctgca gcagctgccg 240
 ctgctcagtg ccatgcggga aaagccagcc ggagcatccc tgtgctgggc agcctgggtga 300
 acaccgtcct gaagcacrtc atctggctga aggtcatcac agytaacatc ctccagctgc 360
 aggtgaagcc ctcggccaat gamcaggagc tgctagtcaa gatccccctg gacatgggtg 420
 ctggattcaa cacgccctg gtcaagacca tcgtggagtt ccacatgacg actgaggccc 480

```

`aagccaccat cgcgatggac accagtgcaa gtggccccac cgcctgggtc ctcagtgact      540
gtgccaccag ccatggggagc ctgcgcaccc aactgctgca taagctctcc ttcctgggtga      600
acgccttagc taagcaggtc atgaacctcc tagtgccatc catgccaagg tggcccaact      660
gatcgtgctg gaagtgtttc cctccagtga agccctccgc cctttgttca ccctgggcat      720
cgaagccagc tcggaagctc agttttacac caaagggtgac caacttatac tcaacttgaa      780
taacatcagc tctgatcgga tccagctgat gaactctggg attggctggg tccaacctga      840
tgttctgaaa aacatcatca ctgaratcat ccactccatc ctgctgccga accagaatgg      900
caanttaaga ctgggggtccc agtgtcattg gtgaaggcct tgggattcga ggcagctgag      960
tcctcactga ccaaggatgc ccttgtgctt actccagcct ccttgtggaa acccasctct    1020
cctgtctccc agtgaagact tggatggcag ccatcaggga argctgggtc ccagctggga    1080
rtatgggtgt gagctctata gaccatccct ctctgcaatc aataaacact tgctgtgaa    1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa                                1172

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<210> 107
<211> 427
<212> DNA
<213> Homo sapiens

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<400> 107
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acttcttcct gctggctggc attcaggccg tcacggctct cctatttgtc tggatcgctg    180
gacgctatga gagggcgctc cagggcccag cctcccacag ccgtttcagc agggacaggg    240
gctgaacagg ccctattcca gcccccttgc ttcactctac cggacagacg gcagcagtcc    300
cagctctggg ttccttctcg gtttattctg ttagaatgaa atgggtccca taaataaggg    360
gcatgagccc ttcctcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa    420
aaaaaaa                                427

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<210> 108
<211> 1708
<212> DNA
<213> Homo sapiens

```

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<220>
<221> SITE
<222> (85)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (254)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (256)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (423)
<223> n equals a,t,g, or c

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<220>
 <221> SITE
 <222> (424)
 <223> n equals a,t,g, or c

<400> 108
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 tggcctggag tccgcggtg gccgngtgag taggtgattg tctgacaagc agaggcatga 120
 gctgggtcca ggccacccta ctggcccgag gcctctgtag ggcttgggga ggcacctgcg 180
 gggccgccct cacaggaacc tccatctctc aggtccctcg ccggctccct cggggcctcc 240
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 gcagaggccc accaaggctc tgggtgccctt tgaggacctg tttgggcagg cgcttgggtg 360
 ggaacgggac aaggcgagct tcctgcagac ggtgcagaaa tttgcggasa cagcgtgcgt 420
 aannggggcc acattgactt catctacctg gccctgcgca agatgcggga gtatggtgtc 480
 gagcgggacc tggctgtgta caaccagctg ctcaacatct tccccaagga ggtcttccgg 540
 cctcgcaaca tcatccagcg catcttcgtc cactaccctc ggcagcagga gtgtgggatt 600
 gctgtccttg agcagatgga gaaccacggt gtgatgcccc acaaggagac ggagtccctg 660
 ctgattcaga tctttggacg caaaagctac cccatgctca agttggtgcy cctgaagctg 720
 tggttccctc gattcatgaa cgtcaacccc ttcccagtg cccgggacct gccccaggac 780
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 cacatcgtag gaatccagag tcccgatcag caggccgccc tggcccgcga caatccagcc 960
 cggcctgtct ttgttgaggg ccccttctcc ctgtggctcc gcaacaagtg tgtgtattac 1020
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 tcctctgcag ggctggagga gccgcccctg cccgaggacc accaggaaga agacgacaac 1380
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 tttcctgctt ggggctctct tccctcatct ctagcagtat ggcattcccct ccccaggatc 1560
 tcgggctgcc agcgtatgggc aggcgagacc cctccagaat ctgcaggcgc ctctggttct 1620
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 aaaaaaaaaa aaaaaaaagg gcggccgc 1708

<210> 109
 <211> 1487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (78)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (948)
 <223> n equals a,t,g, or c

<400> 109
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 ccgcctggct cctgctgnca cctgcaggct cgctcggggt ggagcccacc caagacatca 120

gcacagcga	ccagctgggg	ggccaggacg	tgcccggtgt	ccggaacctg	tccctgctgg	180
tgggtgggtgt	cggcgccgtg	ttctcactgc	tattccacct	gggcaccccg	gagaggcgcc	240
ggccgcatgc	ggasgagcca	ggcgagcaca	ccccctgtt	ggccctgcc	acggcccagc	300
ccctgctgct	ctggaagcac	tggctccggg	agcsggcttt	ctaccagggtg	ggcatactgt	360
acatgaccac	caggctcatc	gtgaacctgt	cccagacctg	catggccatg	tacctcacct	420
actcgctcca	cctgcccagg	aagttcatcg	cgaccattcc	cctggtgatg	tacctcagcg	480
gcttcttgtc	ctccttcctc	atgaagccca	tcaacaagtg	cattgggagg	aacatgacct	540
acttctcagg	cctcctgggtg	atcctggcct	ttgccgcctg	ggtggcgctg	gcggagggac	600
tgggtgtggc	cgtgtacgca	gcggctgtgc	tgttgggtgc	tggctgtgcc	accatcctcg	660
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gcacgatttg	tgacagcccg	aggcggagaa	caccgaacac	ccagtgaagg	tgaggggatc	1020
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cgaagctctg	acccaggcca	cagtgcggat	gcaccttgag	gatgtcacgc	tcagtgaagag	1140
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gatgggatgg	ctgcacggcg	tgggtgaagg	actgaacgcc	acctcactgt	aagacggtag	1380
atttgtatt	ttaccacaat	aaacaaaaca	aaacaaaacc	aaaaaaaaaa	aaaaaaaaaa	1440
aaaaaaaaagg	aattcgatat	caagcttata	gataccgctg	acctcga		1487

<210> 110

<211> 1525

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> n equals a,t,g, or c

<400> 110

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gcacagcga	ccagctgggg	ggccaggacg	tgcccggtgt	ccggaacctg	tccctgctgg	180
tgggtgggtgt	cggcgccgtg	ttctcactgc	tattccacct	gggcaccccg	gagaggcgcc	240
ggccgcatgc	ggasgagcca	ggcgagcaca	ccccctgtt	ggccctgcc	acggcccagc	300
ccctgctgct	ctggaagcac	tggctccggg	agcsggcttt	ctaccagggtg	ggcatactgt	360
acatgaccac	caggctcatc	gtgaacctgt	cccagacctg	catggccatg	tacctcacct	420
actcgctcca	cctgcccagg	aagttcatcg	cgaccattcc	cctggtgatg	tacctcagcg	480
gcttcttgtc	ctccttcctc	atgaagccca	tcaacaagtg	cattgggagg	aacatgacct	540
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tgggtgtggc	cgtgtacgca	gcggctgtgc	tgttgggtgc	tggctgtgcc	accatcctcg	660
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agcctcctgc	acctgtgcaa	gggaactgtg	gggacgcacg	aggatgcccc	ccarggcctt	1020
ggggaaaagc	ccccactgcc	cctcactctt	ctctggaccc	ccaccctcca	tcctcaccca	1080
gctcccgggg	gtgggggtcgg	gtgagggcag	cagggatgcc	cgccaggagc	ttgcaaggac	1140

ccccctggggtt	ttgaggggtgt	cccatttctca	acttetaatcc	atcccagccc	tctggaggat	1200
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cctaaccctg	agctcagtc	agttcacccc	tcacctccag	cctgggggtc	tccagacact	1320
gccagggccc	cctcaggacg	gctggagcct	ggaggagaca	gccacggggt	ggtgggctgg	1380
gcctggaccc	caccgtggtg	ggcagcaggg	ctgcccggca	ggcttggtgg	actctgctgg	1440
cagcaataa	agagatgacg	gcaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	1500
aaaaaaaaaaa	aaacccaccg	tccgc				1525

<210> 111

<211> 552

<212> DNA

<213> Homo sapiens

<400> 111

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ttctgtttat	ttggttagct	ggtttggtct	ttcttcttat	caattgttcc	atcctgattc	180
aaattatttc	ccattacaaa	gaagaacccc	tgacagagag	aatcaaatat	gactagtgtg	240
tgttccacac	cctctgtctac	tgtgtttacat	tctgattgtc	ttgtatggac	cagaagagag	300
ctttgggaca	ttttttctga	acattctaag	cattctagt	aaagtccca	tgttccaaca	360
gaacttaaaa	gcaatgtttg	ccttatatat	aaaaggggaca	caataattga	ggtccacctt	420
ctaggaaatc	ctaggactcg	tttatttggg	acatgggtgg	aataaagggtc	acatatgtga	480
aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	540
aaaaaaaaaaa	aa					552

<210> 112

<211> 925

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (444)

<223> n equals a,t,g, or c

<400> 112

ctgcaggaat	tcggcacgag	cggaaccggg	gccggctgct	gtgcatgctg	gcgctgacct	60
tcatgttcat	ggtgctggag	gtggtggtga	gccgggtgac	ctcgtcgtg	gcgatgctct	120
ccgactcctt	ccacatgctg	tcggacgtgc	tggcgctggg	ggtggcgctg	gtggccgagc	180
gcttcgcccc	gcggacccac	gccaccaga	agaacacgtt	cggctggatc	cgagccgagg	240
taatgggggc	tctggtgaac	gccatcttcc	tgaactggcct	ctgtttcgcc	atcctgctgg	300
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tcggcgctggc	cgggctgctg	gtcaacgtgc	tggggctctg	cctcttccac	catcacagcg	420
gcttcagcca	ggactccggc	cacngccact	cgcacggggg	tcacggccac	ggccacggcc	480
tccccaaagg	gcctcgcgtt	aagagcacc	gccccgggag	cagcgacatc	aacgtggccc	540
cgggcgagca	gggtcccgc	caggaggaga	ccaacaccct	ggtggccaat	accagcaact	600
ccaacgggct	gaaattggac	cccgcagacc	cagaaaaccc	cagaagtgg	gatacagtgg	660
aagtacaagt	gaatggaaat	cttgtcagag	aacctgacca	tatggaaactg	gaagaagata	720
gggctggaca	acttaacatg	cgtggagttt	ttctgcatgt	ccttggagat	gccttgggtt	780
cagtgattgt	agtagtaaat	gccttagtct	tttacttttc	ttggaaagg	tgttctgaag	840
gggatttttg	tgtgaatcca	tgtttccctg	accctgcaa	agcattttgta	gaaatattaa	900
tagtactcat	gcatcagttt	atgag				925

<210> 113
 <211> 1340
 <212> DNA
 <213> Homo sapiens

<400> 113
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 cccctgttaa agatgcaggc tctttacaat gaagacacat cttctgatgt tccttctctc 180
 ctgtatggcc agatgcacag gaatagtgcc caaaagacct cagcctgctt tccctttaag 240
 gggaaggaga agaaaaaact cttttttatt ttactttct ttcagcattg aatttttggt 300
 gtgtgtatgg tgacttctgt ttttgggaaa cgggaagaag ccagcagcat gctgaattgt 360
 cctgacaggc tccgctgggc tcttgccgag gttagcagtg ctttttttgt atttaaacca 420
 tctcccgggc agtgtaaaaa gtttgccagg gcggaacattc tgtctgactg gtctcggcag 480
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 gattgctatg aaaccagaga gtctattcat tactgtggag taactagagc agtctgtagt 600
 gactagacat acggcaatta ggaagtcatt gagttgggat ttttgtctta attttggtg 660
 ctcaaagtgc cccctgtagg atattctttt ttcgggaatt gtttccaaac ttgcctgtct 720
 ttatctatgg tgaaactcaa gccgcttttt aaggcaagcc tgcaaacca agtatcaaca 780
 tgggctcctg aaggcacagg gagcagattc acagttctga ccagtgttag ggtccccacg 840
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 gaggccgagg tgggtgggtc acgagctcag cagatcaaga ccatcctggc caatatggtg 1140
 aaaccctgtc tctgctaaaa atacaaaaat tggctgggcg tgggtggcggg tgctgtagt 1200
 cccagctact cgggaggctg aggcgggaga atcgattgga cccaggaggc ggaggttgca 1260
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 aaaaaaaaaa aaaaaaaaaa 1340

<210> 114
 <211> 813
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (338)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (384)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (389)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (799)

<223> n equals a,t,g, or c

<400> 114

ctgcaggaat	tcggcacgag	aaagaaaggc	gagagaaaaa	tcaaggcacc	aaatttagat	60
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tagctagctg	caccccctgt	aaagatgcag	gctctttaca	atgaagacac	atcttctgat	180
gttccttctc	tcctgtatgg	ccagatgcac	aggaatagtg	cccaaaagac	ctcagcctgc	240
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ttgaattttt	gttgtgtgta	tggtgacttc	tgtttttngg	gaaacggaag	aagccagcag	360
catgctgaat	tgtcctgaca	ggcntccgnt	ggctcttgcc	gaggtagca	gtgctttttt	420
tgwatttaaa	ccatctcccc	ggcagtgtaa	aaagtttgca	ggtgcggaca	ttctgtctga	480
ctggctcctg	cagtgtctta	taaccctgtt	gtgtttcttg	ataaaacaca	gccccaccct	540
ttaataaagc	aaagattgct	atgaaaccag	agagtctatt	cattactgtg	gagtaactag	600
agcagtctgt	agtgactaga	catacggcaa	ttaggaagtc	atggagtgtg	gatttttgtc	660
ttaatttttg	ctgctcaaag	tgccccctgt	aggatattct	tttttcggga	attgtttcca	720
aacttgccctg	tctttatcta	tggtgaaact	caagccgctt	tttaaggcaa	gcctgcaaac	780
ccaagtatca	acatggggnc	ctgaagggac	agg			813

<210> 115

<211> 1681

<212> DNA

<213> Homo sapiens

<400> 115

cgatggcccc	gcggccgctc	tagaaagtc	cgtttttttt	tttttttttt	tttttttttt	60
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cagcccragg	aagggaacca	ataacctttc	aaaacscaaa	ctgctkcctg	cggtgagggc	180
ccagggtcct	ccacggagag	gacaggcatc	ttcctttccc	accaggaagg	agtcagcccg	240
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ctttctcttt	ggggctgggc	tggtgtgtgc	ttctgggtgc	gatgctttgg	cctgtgaggc	360
tgagcttggc	ayctcgacct	gttcaattac	agcaacgaag	aagccactgc	tragygtggt	420
ctcaggggar	gcccggaggc	agtgtctggc	acccgggaac	gtgctcaggc	ctcgggtggg	480
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caccacgtct	tcattctcct	cctggcagag	ggagcacgtg	gagtagacga	gccgctgcag	600
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gaagttgctg	gagtacacca	accccttgat	agagcctggc	ggctctccac	gccggccaac	1620
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a						1681

<210> 116
 <211> 2052
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2045)
 <223> n equals a,t,g, or c

<400> 116
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 ataagcactt ggaatcacgg gttgaagaga ttatggagaa gtctggcgag gaaggaatgc 120
 ctgatcttgc ccatgtcatg cgcatcttgt ctgcagaaaa tatcccaaatt ttgcctcctg 180
 ggggaggtct tgctggcaas cgtaatgtta ttgaagctgt ttatagtaga ctgaatccac 240
 atagagaaaag tgatgggggt gctggagatc tagaagaccc atggtagcct taaaaacctt 300
 ctaaaatgct tttrattctg aaaattgggg gaaaaaactt ttaatcaca ttttcttcaa 360
 tacaagggga aaatattctt gcggattccc aacgttttgt gatatgagca gaaaatcatt 420
 agcattttccc atcattttgt catattttgt ttttctgaca gttgccactt gtagcattgc 480
 ctgtactaca gtattttttg ccaacctcag gcatactcgt tacatctgta ttgaactttc 540
 ggccctagaa accagtggag ttatttcacc acaaatcaac aatgtgcctg aggtgcatgg 600
 gaaatatagt tagctatact ctgaaaatac attatgtttt ttttctttaa acaaaacaca 660
 caacatgtaa gcatgtaaga gtaaagaatt gtatgatag ttcctttttt cagttcacca 720
 agttggaagc cttttgcagc tctgtggcct ggaatttcat ttgagcaatt tctataggat 780
 atgtatttat tattgattgt tatttaawtt ttttcccaat ttacctgta ttaccaaact 840
 gggttctcca ataatgtcca aattgtaatg ttgccttgct tcaagataaa gtgtatttgg 900
 gaataatatt ataaaccctt acaaatttta tgcattgtat tactgcatcc ttcaactctc 960
 actagaaaat cttttgaaac caaatggatt aatttatggc tatttataat ttgctttgac 1020
 atctcactgt tggaaatttt ttaaagatga gatttgcctt tataatgtaa attgtgattt 1080
 ttgtttttaca tgtgggtttc tatagtttta attttttcag cttttaagat acgagttttg 1140
 tgtaattttg tatttttaat catttatgtt attttaaaag ctcagaatat cacattgaaa 1200
 ttactataaaa tacatttaaa attatctatt ttagatctaa ggaaatacta cagagatatt 1260
 ttcattgggt cagtaacttt tcattttata acattgggca cggtagagag tgattgtcac 1320
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 gagttttgca tgtattaaat tcaattaatg ctgaacatga agagtaaagt atttatctga 1440
 aagaagtttc tgggttagga gaagtaatga atgtatccat ttgtacatgg tttacatgtt 1500
 gtggatgctt tgtaaacatt ttcctgtatg tttaaattgt gtttcagcag gatgtaattg 1560
 cccttgtgtg tagttaaaat gagtcatcat ctggtccttt gtgaaatgga attcatggta 1620
 ttttctgtaa cgttttcctg aagctgtttc tggagagcca cacatttaaa tacagacagc 1680
 tttcctgata atttgattta ttgtgcacct gatttttggt ctaaaaggaa ttattgccac 1740
 aatataatttt atttattctt tagatttttag ccttgtaagt taaagtgcct tacatgatga 1800
 tgtgaaaagc tgtttgtccc tttactgggt ttgggggggt gttaaaagat aggggaatgaa 1860
 gaatgcaaaa tgggtttatcg ttcaaactgt ccactctgat ccaaccctgt actgatagta 1920
 cttcccagta tgatattgtg atgtttcata caatgcagtg aacataacca acttgttacc 1980
 taaataaaga attgataaaa acagtgtgac atattaaaaa aaaggggggc ccggtaccca 2040
 attcnccta ta 2052

<210> 117
 <211> 539
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE
 <222> (528)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (529)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (531)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (532)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (537)
 <223> n equals a,t,g, or c

<400> 117
 gagatacatt ccatgaatac ctagttttatt gagagttttt agcatgaagg actgtcgaat 60
 tttgtcaaaag gcttttttctg catctattga gataatcatg tggtttttgt ctttggttct 120
 gtttatgtga tggactatgt ttattgattt gcatatgttg aaccagcctt gcatctcagg 180
 gatgaagcca actcgatcgt tgtggataag ctttttgatg tgctgctgga tttggtttgc 240
 caatatttta ttgaggattt ttgcatcagt gttcttcagg gatattggtc taaaattctc 300
 ttttttttgt tgtgtctctg ccaggctttg gtatcaggat gatgctggcc tcataaatga 360
 gttagggagg attccctctt tctattgatc agaatagttt cagaaggaat ggtaccagct 420
 cttcttttga cctctggtag aatttgggtg kgaatctatc ttgkcctgga atatttttgg 480
 ggttggaact caaaaaaaaaa aaaaaaaaaa tcaaaaaaaaaa aaaaaaanna nnaaaanaa 539

<210> 118
 <211> 882
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (117)
 <223> n equals a,t,g, or c

<400> 118
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 ggcggccgga atccgggagt cgggtgaccc gggctgtggt ctagcataaa ggcggancca 120
 gaagaagggg cggggtatgg gagaagcctc cccacctgcc cccgcaaggc ggcattctgct 180
 ggtcctgctg ctgctcctct ctacctgggt gatccccctcc gctgcagctc ctatccatga 240
 tgctgacgcc caagagagct ccttgggtct cacaggcctc cagagcctac tccaaggctt 300
 cagccgactt ttcctgaaag taacctgctt cggggcatag acagcttatt ctctgcccc 360
 atggacttcc ggggcctccc tgggaactac cacaaagagg agaaccagga gcaccagctg 420
 ggaacaaca ccctctccag ccacytccag atcgacaaga tgaccgacaa caagacagga 480

gaggtgctga	tctccgagaa	tgtggtggca	tccattcaac	cagcggaggg	gagcttcgag	540
ggtgatttga	aggtacccag	gatggaggag	aaggaggccc	tggtagccat	ccagaaggcc	600
acggacagct	tccacacaga	actccatccc	cgggtggcct	tctggatcat	taagctgcca	660
cggcggaggt	cccaccagga	tgccctggag	ggcggccact	ggctcagcga	gaagcgacac	720
cgcctgcagg	ccatccggga	tggactccgc	aaggggaccc	acaaggacgt	cctagaagag	780
gggaccgaga	gctcctccca	ctccaggtcg	tcccccgaa	agaccactt	actgtacatc	840
ctcaggccct	ctcggcagct	gtaggggtgg	ggaccgggga	gc		882

<210> 119

<211> 1193

<212> DNA

<213> Homo sapiens

<400> 119

acactatata	agttacgcct	gcaggttacc	ggtccggtaa	ttcccggtc	gtacccacgc	60
gtccggtaat	gtcaaaggaa	aagtaattct	gtcaatgctg	gttgtctcaa	ctgtgatcat	120
tgtgttttgg	gaatttatca	acagcacaga	aggctctttc	ttgtggatat	atcactcaaa	180
aaacccagaa	gttgatgaca	gcagtgtctc	gaagggtctg	tggtttctga	gctggtttaa	240
caatgggatc	cacaattatc	aacaagggga	agaagacata	gacaaagaaa	aaggaagaga	300
ggagacaaa	ggaaggaaaa	tgacacaaca	gagcttcggc	tatgggactg	gtttaatcca	360
aactgaagg	aatccgaata	actaaactgg	actctggttt	tctgactcag	tccttctaga	420
agacctggac	tgagagatca	tgcggttaag	gagtgtgtaa	caggcggacc	acctgttggg	480
actgsgagat	tctcaagggg	aaggactggg	tctcatttct	cccatctcag	cgcttagcag	540
gatgacctgg	tatagagcag	ggaactggga	aatgtgggtc	aggggatcag	acactccagt	600
tgggtctttt	atataaatta	aatggcaaaa	ggctccatac	ccttctcctt	ctttcctacc	660
ctccacttta	tctgcaaaat	gggaatgatg	ataacaccca	cttcatagaa	tggatcatgaa	720
gatcaaatga	gagaataaaa	gtcaagcact	tagcctctgg	tgacaataa	gtattaaata	780
agtataccta	ttcctccttt	tcctttttta	aaaataatat	taccaaagt	ccagcttata	840
cacattttaca	agacttagct	agtgggctat	gtagagcta	ctaaaagatc	tttgacaagc	900
taaaactaag	atgcaatgaa	tgaggtgtaa	cgaacaagag	agttttaagt	tcagaaatgg	960
ttacagaagt	ataagacagc	tgtgtgggtg	ttttttgggt	tttggtttct	ggtttacaat	1020
ctcgtcattc	aacaaagatg	ggagttttat	agaactaaaa	gcmccatgta	agctactaaa	1080
aacaacaaca	aaaaaggctc	atcattttctc	agtctgaatt	gacaaaaatg	ccaatgcaaa	1140
taaaaatgat	tactttttat	tttaaaaaaa	aaaaaaaaaa	aaaaaaaactc	gta	1193

<210> 120

<211> 1338

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (519)

<223> n equals a,t,g, or c

<400> 120

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ggacttctag	ttttcctcac	ccctattgcc	ttcatccttt	tacctccgat	cctgtggagg	120
gaatgagctg	gagccttgtg	gcacaatttg	tgaggggctc	tttatctcca	tggcattcaa	180
actcctcatt	ctgctcatag	ggacctgggc	actttttttc	cgcaagcgga	gagctgacat	240
gccacgggtg	tttgtgtttc	gtgccctttt	gttggtcctc	atcttttctc	tttgtggttt	300
ccctattggc	ttttttacgg	ggtccgcatt	ttggactctc	gggaaccgga	attaccaagg	360
gattgtgcaa	tatgcagtct	ccccttgttg	aatgccctcc	tccttccatc	cattactggc	420

catccgtccc	tgctggagct	cagggagctt	gcagcccaat	gttccacgct	gcaggttggg	480
cccgtccca	accgaatggg	gaaatccccg	cttccagcnt	gggacacctg	agtatccagc	540
gagcagcatt	ggtggtccta	gaaaattact	acaaagattt	caccatctat	aacccaaacc	600
tcctaacagc	ctccaaattc	cgagcagcca	agcatatggc	cgggctgaaa	gtctacaatg	660
tagatggccc	cagtaacaat	gccactggcc	agtcccgggc	catgattgct	gcagctgctc	720
ggcgcagggg	ctcaagccac	aacgagttgt	attatgaaga	ggccgaacat	gaacggcgag	780
taaagaagcg	gaaagcaagg	ctggtggttg	cagtgggaaga	ggccttcac	cacattcagc	840
gtctccaggc	tgaggagcag	cagaaagccc	caggggaggt	gatggaccct	agggaggccg	900
cccaggccat	tttcccctcc	atggccaggg	ctctccagaa	gtacctgcgc	atcacccggc	960
agcagaacta	ccacagcatg	gagagcatcc	tgcaagcacc	tggccttctg	catcaccaac	1020
ggcatgaccc	ccaaggcctt	cctagaacgg	tacctcagtg	cgggccccac	cctgcaatat	1080
gacaaggacc	gctggctctc	tacacagtgg	aggcttgtca	gtgatgaggc	tttgactaat	1140
ggattacggg	atggaattgt	gttcgtcctt	aagtgtttgg	acttcagcct	cgtagtcaat	1200
gtgaagaaaa	ttccattcat	catactctct	gaagagttca	tagaccccaa	atctcacaaa	1260
tttgtccttc	gcttacagtc	tgagacatcc	gtttaaaagt	tctatatattg	tggctttatt	1320
aaaaaaaaaa	aaaaaaaaa					1338

<210> 121

<211> 1183

<212> DNA

<213> Homo sapiens

<400> 121

tgcaggaatt	cggcacgagc	tggctgcagg	gtctctgggg	agagaagggg	cctcggcttc	60
acaggatggg	gctgccagtg	tcctgggccc	ctcctgccct	ctgggttcta	gggtgctgcg	120
ccctgctcct	ctcgctgtgg	gcgctgtgca	cagcctgccg	cagcccgagg	acgctgtagc	180
ccccaggaag	agggcgcgga	ggcagcgggc	gaggctgcag	ggcagtgcga	cggcggcgga	240
agcgtcccta	ctgaggcgga	cccacctctg	cttccctcag	caagtcggac	accagactgc	300
acgagctgca	ccggggcccc	cgcagcagca	gggccctgcg	gcctgccagy	atggatctcc	360
tgcgcccaca	ctggctggag	gtgtccaggg	acatcaccgg	accgcaggca	gccccctctg	420
ccttcccaca	ccaggagctg	ccccgggctc	tgcgggcagc	tgagccacc	gcaggtgcgc	480
tggcctcgag	gccacctatt	ccaacgtggg	gctggcgggc	cttcccgggg	tcagcctggc	540
ggccagccct	gtggtggccg	agtatgcccg	cgccagaaag	cgcaaaggga	cccatcgag	600
tccccaaag	ccacagcagg	ggaagactga	ggtgaccccc	gccgctcagg	tggacgtcct	660
gtactccagg	gtctgcaagc	ctaaaaggag	ggaccagga	cccaccacag	acccgctgga	720
ccccaaaggc	cagggagcga	ttctggccct	ggcgggtgac	ctggcctacc	agaccctccc	780
gctcagggcc	ctggatgtgg	acagcggccc	cctggaaaac	gtgtatgaga	gcatccggga	840
ctgccccagc	cctgctggca	ggagcagcac	gtgcggggct	gggacgcccc	ctgcttcag	900
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ggacctgtgc	tccttcctcc	agagtgaggc	ccgtcccccg	ccccgccccg	cctcacagct	1020
gacagcgcca	gtcccaggtc	cccgggcgcg	cagcccgtag	ggtccgtgag	gtcctggccg	1080
ctctgacagc	cgcggcctcc	ccgggctcca	gagaaggccc	gcgtctaaat	aaagcgccag	1140
cgcaggatga	aagcgaaaaa	aaaaaaaaaa	aaaggcgggc	cgc		1183

<210> 122

<211> 615

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (584)
 <223> n equals a,t,g, or c

<400> 122

cctgtatata	aaattggncn	ctatgggtccc	gtacaatgaa	gaaatgcaaa	gatagttaag	60
aaagactcgg	ccttcaagga	gcctaaatgt	gtagaaaagg	actaaggcaa	aacaataact	120
ttttttgagct	cttgccatgt	gtgaagcact	ttatacacct	gtaaggtagg	taacgttggt	180
cttattaaac	atgaagaaaa	tgagactttg	tgagaagcaa	tacagtatag	aagttaagaa	240
tatggactct	aaagctagat	ttcagagggt	tgaagtagct	ctgctactta	ctggctgtgt	300
gactttgagc	agattactta	acctgtctgt	gcctatgttt	actttttattg	ttgtaaaaag	360
atatgcaaca	taaaatattc	cattttcaacc	gtttttacgt	gtatacttca	ctgacattag	420
ttgcattcac	tatgttggtc	aaacgtaggg	tcgctatgaa	gattaaatga	gttaattcat	480
ataaagccct	cagaagagtg	tctggcacat	ggtgagtatt	ggctgtactg	tggtcgatgt	540
cattgttaga	gagctttagt	gatttgctta	agacagaaa	gtanactggg	gtgcggtggg	600
ctcacgccct	ggtta					615

<210> 123
 <211> 587
 <212> DNA
 <213> Homo sapiens

<400> 123

cccacgcgtc	cgcttgaac	ctgattctcc	tgaccgtctt	taccctgtcc	atggcctacc	60
tcaactgggat	gctgtccagc	tactacaaca	ccacctccgt	gctgctgtgc	ctgggcatca	120
cggcccttgt	ctgcctctca	gtcacctctc	tcagcttcca	gaccaagttc	gacttcacct	180
cctgccaggg	cgtgctcttc	gtgcttctca	tgactctttt	cttcagcgga	ctcatcctgg	240
ccatcctcct	acccttccaa	tatgtgccct	ggctccatgc	agtttatgca	gcactgggag	300
cgggtgtatt	tacattgttc	ctggcacttg	acacccagtt	gctgatgggt	aaccgacgcc	360
actcgctgag	ccctgaggag	tatatctttg	gagccctcaa	catttaccta	gacatcatct	420
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ccccaccgtc	ctccagagaa	tgcgcccctc	ctggttccct	gtccctcccc	tgcgctcctg	540
cgagaccaga	tataaaacta	gctgccaacc	caaaaaaaaa	aaaaaaa		587

<210> 124
 <211> 1379
 <212> DNA
 <213> Homo sapiens

<400> 124

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aatccagcc	tcaggggtct	ccgccatttt	tgggtgaactg	caagatgacc	tcagatggag	300
gctggacagt	aattcagagg	cgccacgatg	gctcagtgga	cttcaaccgg	ccctgggaag	360

cctacaaggc	ggggtttggg	gatccccacg	gcgagttctg	gctgggtctg	gagaaggtgc	420
atagcatcat	gggggaccgc	aacagccgcc	tggccgtgca	gctgcgggac	tgggatggca	480
acgccgagtt	gctgcagttc	tccgtgcacc	tgggtggcga	ggacacggcc	tatagcctgc	540
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ccgtaccctt	ctccacttgg	gaccaggatc	acgacctccg	cagggacaag	aactgcgcca	660
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ggaccagggc	ttgtgtgggt	cgagagcgcc	ctcatggtgc	tggtgctgtt	gtgtgtaggt	1260
cccctgggga	cacaagcagg	cgccaatggt	atctgggcgg	agctcacaga	gttcttggaa	1320
taaaagcaac	ctcagaacac	ttaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1379

<210> 125

<211> 583

<212> DNA

<213> Homo sapiens

<400> 125

ccacgcgtcc	gggacatctg	ccggctggag	cgggcagtg	gccgcgatga	gccctctgcc	60
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gggctgtgct	gggggcccta	cgtggccaca	ctgctctctc	cagtctctgg	ctatgagcag	180
cgccccccac	tggggcctgg	gacactgttg	tccctctctc	ccctagggaag	tgccagtgc	240
gcggcagtg	ccgtagccat	ggggctgggc	gatcagcgct	acacagcccc	ctggagggca	300
gccgccccaa	ggtgcctgca	ggggctgttg	ggaagagcct	cccgggacag	tcccggcccc	360
agcattgcct	accaccaag	cagccaaagc	agtgtcgacc	tggacttgaa	ctaaagggaag	420
ggcctctgct	gactcctacc	agagcatccg	tccagctcag	ccatccagcc	tgtctctact	480
gggccccact	tctctggatc	agagaccctg	cctctgtttg	accccgcact	gactgaataa	540
agctcctctg	gccgttttaa	aaaaaaaaaa	aaaaaaaaaa	aaa		583

<210> 126

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1184)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1240)

<223> n equals a,t,g, or c

<400> 126

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gtgaggttgg	tgtgagactg	acggtgcctc	ctcatgtccc	cttgagcgc	cccaccccac	120

atctcccggc	ctcgggtcct	tgcctggccc	agcatgagag	gtgcttcata	ggaacggagg	180
gaggacatgt	cgggacagct	cgatgctcgg	cctgctgctg	ctctgcaccc	ccagggcctg	240
gtcacccctc	tctggacctg	tctgcttcca	aggaagggac	cctctgaggt	cccacagagg	300
ccaccccagc	tgtgggtcgt	gagcatctct	gtcttgacag	gacagcatcg	tggccgagct	360
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gtgctgaaat	gaggccctgg	cctgctgtcc	aggctccagc	tcccctgccc	agtgtgggag	660
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tagaattgca	gggcgagcca	ggcatggtga	catgcaccta	tgtttccagc	tacttgggag	1140
gcggaagtca	ggagtatccc	ttgagtctgg	gagggtggagg	ctgncagtga	gccgtgatgg	1200
tgccactgca	ctccagcctg	ggtggcagag	ccagaccctn	actcacacac	aaaaaaaaaa	1260
aaaaaaaa						1268

<210> 127

<211> 1311

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1036)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1112)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1168)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1223)

<223> n equals a,t,g, or c

<400> 127

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tttcaattat	tcccaatgac	aggctattta	tcaatttaaat	atttttaagc	aacttcctcc	120
catcagtgtc	ctgggaacca	gctgggcaga	tgtggtacac	ccatgtcaga	taccccagtg	180
gcaggctcct	gtcactgtag	cacttggtcc	ctccatccct	cccagccttc	ctagctcctt	240
gtcctctggaa	acctcccccc	atcaatctct	gacatttcag	aggaaatact	gtttgtcacc	300
tcttaaggaa	tctgggagga	cggcctgtga	gatatggcgt	cagttacagc	ctcttaaaga	360
gtcaatagcc	cctgcagagg	ccagaacact	ggaacaaatg	taagggaagg	atagttttta	420

aagatttttg	acttgaatta	aataggattg	gttactttctt	gccccctcccg	aggggtggact	480
gtgcacagaa	gagacctctt	caccggggtt	gctgctcttt	ttcgcactgt	gagttggggg	540
tctaacagtc	agcgttggtc	cataacaaaa	tggaatcct	ttctttcccc	tcctgttaat	600
gccccctgtc	tgtgcagtga	ctgtgcaacc	agcacctttt	gtggtcgaat	cagccagcag	660
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tctcgccctg	aatgggtcaa	cagggggaaa	ggcagacagc	ttcttcgtgc	cagaaacatt	780
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garcaagact	ccaactcawa	acaaaacaaa	agattgargt	wattgtggca	acacctgcct	900
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gaatgttttg	aattgactcc	tgtcctctgg	ttaaaactcc	tcttgagata	attgatagct	1020
gaaaaggtag	gatggntctc	tcaaacttga	cttccatcta	aatcaacgct	gagttgatta	1080
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acatcctttt	tacaattaat	aagacagntt	tcacatgaag	aaacaatttg	aaatatttaa	1200
taagaaaatg	gggtgaaggc	aancattacg	gttgggaaaa	gaccatgcaa	gccttttatag	1260
aggataacga	tttatatatt	cactattaat	ttggccgggt	aataggaacc	t	1311

<210> 128

<211> 1249

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1217)

<223> n equals a,t,g, or c

<400> 128

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gctgggatta	caggcgtgag	cactgcgccc	agcctgagtt	tcatttttta	agtcacatag	120
cagtagtcct	tatttcagtg	ctagaccctt	tgaaatgcga	tgaaagctat	atggaccctt	180
cgctttgtta	tataacatat	gcacacatac	ccagaatttt	gcacatatgt	tcagagattc	240
ctagacctgc	agacctgcct	ctgtgtgtcc	caattttaaga	acctctgttc	tttcttcatg	300
actggatttg	cccaattttg	tgttattttg	ggacttaatt	tgtccctctt	tgggacattt	360
ccttatttat	tgccctcttc	agagagtaga	tgtagaaaaa	aaagagagga	aacctagatt	420
acttaatttt	aatttaacat	tttctataga	tagcatacca	cgccaagtgt	gctctgtctt	480
gatccccctt	tttctagcat	ctgccagaca	ttgtagagtt	tcscaascag	ttgtaggttt	540
gagctgcagc	cagtcatttc	ttttattctt	taaaagtaca	tagatttgtc	tttttagggc	600
tttactgaaa	gtaaaaatat	ctgacattta	aactgacaga	tgtaggaggt	aaaaaataga	660
gttctgaaac	atwtgaattt	atgtgacagc	tgaagtcacg	agatgaggka	tgtatgtccc	720
ccaggggaggw	tgcagaaaaga	agaaaagggt	actggaaaca	gcatgtcagt	ggtgccagct	780
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tgaaaggagg	aaggtaggga	ttttcttggt	gggagtttat	gctgttattt	aacatatattt	1020
gcttccaaag	gggttaagat	gttttaccta	aatggargtt	tctagggtcag	tgctatacaa	1080
tattttcta	ctgtgtttta	tagtgtgagc	tacatatgta	attttaaaaa	tttcaagtag	1140
ccacataata	aaggaaacag	gtgaaattta	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1200
aaaaaaaaaa	aaaaaanaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		1249

<210> 129

<211> 1660

<212> DNA

<213> Homo sapiens

<400> 129

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ggtcctgctg	ctggcgcctc	ggctgcgcgg	cctccaggcg	ggggcccgca	gcggaccccg	120
gcttccagga	gcgcttcttc	cagcagcgtc	tggaccactt	caacttcgag	cgcttcggca	180
acaagacctt	ccctcagcgc	ttcctgggtg	cggacagggt	ctgggtccgg	ggcgaggggc	240
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gggccagagt	cccaaagtca	cccaggggtg	gcgggaagcg	ttccgacaga	tcaaggactt	720
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catcttctcc	aacgggaacc	tggaccctcg	gggcagggggc	gggattcgga	ggaacctgag	1320
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cgagtgggta	aaggcagcca	ggcgtgagca	gcagccagct	ctgcgtgggg	ggcccagact	1500
cagcctctga	gcacaggact	ggaggggtct	caaggctcct	catggagtgg	gggcttact	1560
caagcagctg	gcggcagagg	gaaggggctg	aataaacgcc	tggaggcctg	gccatgtaaa	1620
aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa			1660

<210> 130

<211> 2075

<212> DNA

<213> Homo sapiens

<400> 130

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acccccacgc	gacagcctgc	gggaggaact	tgtcatcacc	ccgctgcctt	ccggggacgt	180
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gctgcacctg	tcattcacac	aaggcttttg	gaggacccga	tactgggggc	cacccttctt	360
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acagaaaggt	cggctggcag	cactggccaa	ggtgatgggg	tgtgctacac	agtgtatgtc	1980
actgtgtagt	ggatggagtt	tactgtttgt	ggaataaaaa	cggctgtttc	cgtgggttaa	2040
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaa			2075

<210> 131

<211> 1333

<212> DNA

<213> Homo sapiens

<400> 131

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ccacacacct	gactgctcag	tatgtaaatt	tttactatgc	ctaagggtga	ccacctttta	180
atatgttttag	gagccatttg	tatttccttt	tgtttcccat	attgttttgt	tcctatccat	240
ttttctacta	tatcgttgat	atgttgttta	tttggttaggg	atatgaacct	tttgacagta	300
atgagttgca	aataattttct	ttccaatttg	tcatctgtct	tttgcttatg	atggctttgt	360
catgagtttt	aaaaaatttt	tatgtagtct	gaataaccagt	tttttttagtg	gtttctggat	420
tttgagtcat	aattagaatg	twttttctcaa	tccagagcaa	tagagtaatt	cacctaaatt	480
ctacatctaa	attttgaacc	tctgaagcat	attctggcat	aagatataag	ttatggatct	540
aacctaat	tttccgcagg	tgattaacct	agttgttcca	atattattta	ttgaactgtt	600
tgttttttcc	tgacgagttt	gagargctac	attgatctta	tcttagaatc	cgtcatatgt	660
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gtcatgcact	artaccacat	tgttttaatt	acccaggctt	tagttttaat	ctagtgcatt	780
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ccttattttt	cccatatgrg	cttttaaaaa	ttcttaacat	atagagcata	ctaaaactgt	900
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tgatactttm	cctgataaag	atacactttt	tactactttt	aaattattac	agtgttctat	1020
ttggcagtg	ccaaacaggt	gatggcagat	agaggcagga	tgcaatgcct	gtgtggaaag	1080
aatgtcatct	cagtgttctt	attttaagat	agtctctagg	aatgatttaa	ggactgttct	1140
catgtaaaa	ccctattttt	ttttttatct	cattacgaat	tatttgccca	aaagtgggat	1200
atctgtcaaa	gattcataag	acaagaggga	gagaccctta	aataagtact	aaacttgtaa	1260
aatcaatatg	tggataaaag	tgcaagtaca	agaagttact	ttggaaaaaa	aaaaaaaaaa	1320
aaaaaaaact	cga					1333

<210> 132

<211> 56

<212> PRT

<213> Homo sapiens

<400> 132

Met	Ala	Lys	Thr	Asp	Phe	Ser	Ile	Ile	Leu	Leu	Lys	Leu	His	Cys	Leu
1				5					10					15	

Phe	Phe	Phe	Ser	Val	Ile	Ser	Val	His	Cys	Ala	Gln	Ser	Phe	Ile	Ser
			20					25					30		

Val	Thr	Gln	Thr	Glu	Pro	Ser	Pro	Ala	Val	Cys	Ile	Phe	Pro	Ala	Val
		35					40					45			

Gly	Ser	Gly	Leu	Gly	Pro	Cys	Asp
50						55	

<210> 133

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 133

Met	Ala	Xaa	Leu	Asp	Asn	Cys	Leu	Met	Leu	Leu	Ile	Thr	Ser	Gly	Thr
1				5					10					15	

Trp	Leu	Gly	Ser	Val	Ala	Arg	Lys	Thr	Trp	Gln	Ala	Ile	Cys	Asp	Ser
			20					25					30		

Gly	Ser	Ser	Gly	Cys	Ala	Leu	Ile	Arg	Xaa
		35					40		

<210> 134

<211> 415

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (415)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 134

Met	Asn	Pro	Thr	Leu	Gly	Leu	Ala	Ile	Phe	Leu	Ala	Val	Leu	Leu	Thr
1				5					10				15		

Val	Lys	Gly	Leu	Leu	Lys	Pro	Ser	Phe	Ser	Pro	Arg	Asn	Tyr	Lys	Ala	20	25	30
Leu	Ser	Glu	Val	Gln	Gly	Trp	Lys	Gln	Arg	Met	Ala	Ala	Lys	Glu	Leu	35	40	45
Ala	Arg	Gln	Asn	Met	Asp	Leu	Gly	Phe	Lys	Leu	Leu	Lys	Lys	Leu	Ala	50	55	60
Phe	Tyr	Asn	Pro	Gly	Arg	Asn	Ile	Phe	Leu	Ser	Pro	Leu	Ser	Ile	Ser	65	70	75
Thr	Ala	Phe	Ser	Met	Leu	Cys	Leu	Gly	Ala	Gln	Asp	Ser	Thr	Leu	Asp	85	90	95
Glu	Ile	Lys	Gln	Gly	Phe	Asn	Phe	Arg	Lys	Met	Pro	Glu	Lys	Asp	Leu	100	105	110
His	Glu	Gly	Phe	His	Tyr	Ile	Ile	His	Glu	Leu	Thr	Gln	Lys	Thr	Gln	115	120	125
Asp	Leu	Lys	Leu	Ser	Ile	Gly	Asn	Thr	Leu	Phe	Ile	Asp	Gln	Arg	Leu	130	135	140
Gln	Pro	Gln	Arg	Lys	Phe	Leu	Glu	Asp	Ala	Lys	Asn	Phe	Tyr	Ser	Ala	145	150	155
Glu	Thr	Ile	Leu	Thr	Asn	Phe	Gln	Asn	Leu	Glu	Met	Ala	Gln	Lys	Gln	165	170	175
Ile	Asn	Asp	Phe	Ile	Ser	Gln	Lys	Thr	His	Gly	Lys	Ile	Asn	Asn	Leu	180	185	190
Ile	Glu	Asn	Ile	Asp	Pro	Gly	Thr	Val	Met	Leu	Leu	Ala	Asn	Tyr	Ile	195	200	205
Phe	Phe	Arg	Ala	Arg	Trp	Lys	His	Glu	Phe	Asp	Pro	Asn	Val	Thr	Lys	210	215	220
Glu	Glu	Asp	Phe	Phe	Leu	Glu	Lys	Asn	Ser	Ser	Val	Lys	Val	Pro	Met	225	230	235
Met	Phe	Arg	Ser	Gly	Ile	Tyr	Gln	Val	Gly	Tyr	Asp	Asp	Lys	Leu	Ser	245	250	255
Cys	Thr	Ile	Leu	Glu	Ile	Pro	Tyr	Gln	Lys	Asn	Ile	Thr	Ala	Ile	Phe	260	265	270
Ile	Leu	Pro	Asp	Glu	Gly	Lys	Leu	Lys	His	Leu	Glu	Lys	Gly	Leu	Gln	275	280	285
Val	Asp	Thr	Phe	Ser	Arg	Trp	Lys	Thr	Leu	Leu	Ser	Arg	Arg	Val	Val	290	295	300
Asp	Val	Ser	Val	Pro	Arg	Leu	His	Met	Thr	Gly	Thr	Phe	Asp	Leu	Lys			

35	40	45
Ala Thr Ser Ile Leu Gln Gln Leu Pro Leu Leu Ser Ala Met Arg Glu		
50	55	60
Lys Pro Ala Gly Gly Ile Pro Val Leu Gly Ser Leu Val Asn Thr Val		
65	70	75
Leu Lys His Ile Ile Trp Leu Lys Val Ile Thr Ala Asn Ile Leu Gln		
	85	90
		95
Leu Gln Val Lys Pro Ser Ala Asn Asp Gln Glu Leu Leu Val Lys Ile		
	100	105
		110
Pro Leu Asp Met Val Ala Gly Phe Asn Thr Pro Leu Val Lys Thr Ile		
	115	120
		125
Val Glu Phe His Met Thr Thr Glu Ala Gln Ala Thr Ile Arg Met Asp		
	130	135
		140
Thr Ser Ala Ser Gly Pro Thr Arg Leu Val Leu Ser Asp Cys Ala Thr		
	145	150
		155
Ser His Gly Ser Leu Arg Ile Gln Leu Leu His Lys Leu Ser Phe Leu		
	165	170
		175
Val Asn Ala Leu Ala Lys Gln Val Met Asn Leu Leu Val Pro Ser Met		
	180	185
		190
Pro Arg Trp Pro Asn		
	195	

<210> 137

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 137

Met His Arg Gln Leu Leu Gly Phe Cys Phe Xaa Phe Cys Phe Phe Phe

1

5

10

15

Lys Arg His Cys Asp Cys Ile Leu Leu Tyr Leu Ile Gly Phe Val Phe

20

25

30

Leu Leu Thr Met Val Lys Ile His Leu Ser Glu His Ser Xaa
 35 40 45

<210> 138

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 138

Met Leu Lys Arg Val Ile Leu Leu Val Glu Met Phe Ile His Phe Leu
 1 5 10 15

Ile Tyr Ala Lys Ser Phe Tyr His Lys Ser Trp Glu Gln Leu Ser Phe
 20 25 30

Thr His Tyr Leu Leu Gln Ile Ser Xaa
 35 40

<210> 139

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 139

Met Pro Ile Leu Val Phe Ser Ile Cys Leu Gln Cys Thr Leu Phe Arg
 1 5 10 15

Ser Glu Ala Ile Ile Phe Gln Glu Glu Arg Asn His Gln Val Thr Leu
 20 25 30

Leu Lys Ala Val Lys Thr Lys Phe Gln Ser Gly Thr Gly Leu Arg Xaa
 35 40 45

Pro Val Leu Glu Tyr Ala Lys Ser Ile Gln Ile Ile Ser Lys Tyr Thr
 50 55 60

Cys Gly Thr Val Leu Pro Val Phe Lys Met Arg Arg Tyr Tyr Val Gly
 65 70 75 80

Gln Lys Cys Gln Xaa
85

<210> 140

<211> 201

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (160)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (177)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (201)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 140

Met	Phe	Phe	Leu	Leu	Cys	Leu	Val	Ala	Leu	Glu	Ile	Lys	Gly	Phe	Thr
1				5					10					15	

Phe	Ser	Ala	Arg	Gly	Ala	Arg	Asp	Arg	Phe	Leu	Asn	Lys	Ser	Gly	Pro
		20				25						30			

Gln	Pro	Gly	Lys	Lys	Met	Lys	Thr	Thr	His	Cys	Lys	Gln	Pro	Leu	Phe
		35				40						45			

Ser Lys Pro Gly Gln Val Arg Gly Ala Leu Arg Lys Ala Arg Gly Arg
 50 55 60
 Gln Glu Glu Arg Glu Ala Val Gly Met Trp Gly Gly Arg Gly His Ser
 65 70 75 80
 Tyr Pro Glu Tyr Ile Lys Thr Ser Glu Val Thr Glu Val Arg Asp Ser
 85 90 95
 Pro Lys His Pro Gln Val Gln Pro Phe Leu Thr Thr Arg Val Thr Cys
 100 105 110
 Arg Val Pro Gly His Leu Gln Val Leu Glu Ala Leu Cys Gly Ala Trp
 115 120 125
 Gly Ser Met Phe Lys His Ala Leu Val Val Val Gln Val Pro Arg Xaa
 130 135 140
 Arg Gly Arg Ala Xaa Leu Gly Ser Glu Trp Gln Val Gly Gln Leu Xaa
 145 150 155 160
 Leu Ile Leu Leu His Gly Thr Gln His Trp Ala Ala Xaa Leu Val Pro
 165 170 175
 Xaa Leu Pro Gln Glu Ser Ile Leu Pro Ala Gln Ser Xaa Arg Val Thr
 180 185 190
 Asn Thr Pro Gly Thr Glu Glu Thr Xaa
 195 200

<210> 141
 <211> 325
 <212> PRT
 <213> Homo sapiens

<400> 141
 Met Gly Ser Gln Val Ser Ser Met Leu Lys Leu Ala Leu Gln Asn Cys
 1 5 10 15
 Cys Pro Gln Leu Trp Gln Arg His Ser Ala Arg Asp Arg Gln Cys Ala
 20 25 30
 Arg Val Leu Ala Asp Glu Arg Ser Pro Gln Pro Gly Ala Ser Pro Gln
 35 40 45
 Glu Asp Ile Ala Asn Phe Gln Val Leu Val Lys Ile Leu Pro Val Met
 50 55 60
 Val Thr Leu Val Pro Tyr Trp Met Val Tyr Phe Gln Met Gln Ser Thr
 65 70 75 80
 Tyr Val Leu Gln Gly Leu His Leu His Ile Pro Asn Ile Phe Pro Ala
 85 90 95

Asn	Pro	Ala	Asn	Ile	Ser	Val	Ala	Leu	Arg	Ala	Gln	Gly	Ser	Ser	Tyr
			100					105					110		
Thr	Ile	Pro	Glu	Ala	Trp	Leu	Leu	Leu	Ala	Asn	Val	Val	Val	Val	Leu
		115					120					125			
Ile	Leu	Val	Pro	Leu	Lys	Asp	Arg	Leu	Ile	Asp	Pro	Leu	Leu	Leu	Arg
	130					135					140				
Cys	Lys	Leu	Leu	Pro	Ser	Ala	Leu	Gln	Lys	Met	Ala	Leu	Gly	Met	Phe
145					150					155					160
Phe	Gly	Phe	Thr	Ser	Val	Ile	Val	Ala	Gly	Val	Leu	Glu	Met	Glu	Arg
				165					170					175	
Leu	His	Tyr	Ile	His	His	Asn	Glu	Thr	Val	Ser	Gln	Gln	Ile	Gly	Glu
			180					185					190		
Val	Leu	Tyr	Asn	Ala	Ala	Pro	Leu	Ser	Ile	Trp	Trp	Gln	Ile	Pro	Gln
		195					200					205			
Tyr	Leu	Leu	Ile	Gly	Ile	Ser	Glu	Ile	Phe	Ala	Ser	Ile	Pro	Gly	Leu
	210					215					220				
Glu	Phe	Ala	Tyr	Ser	Glu	Ala	Pro	Arg	Ser	Met	Gln	Gly	Ala	Ile	Met
225					230					235					240
Gly	Ile	Phe	Phe	Cys	Leu	Ser	Gly	Val	Gly	Ser	Leu	Leu	Gly	Ser	Ser
				245					250					255	
Leu	Val	Ala	Leu	Leu	Ser	Leu	Pro	Gly	Gly	Trp	Leu	His	Cys	Pro	Lys
			260					265					270		
Asp	Phe	Gly	Asn	Ile	Asn	Asn	Cys	Arg	Met	Asp	Leu	Tyr	Phe	Phe	Leu
		275					280					285			
Leu	Ala	Gly	Ile	Gln	Ala	Val	Thr	Ala	Leu	Leu	Phe	Val	Trp	Ile	Ala
	290					295					300				
Gly	Arg	Tyr	Glu	Arg	Ala	Ser	Gln	Gly	Pro	Ala	Ser	His	Ser	Arg	Phe
305					310					315					320
Ser	Arg	Asp	Arg	Gly											
				325											

<210> 142

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (119)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 142
 Met Val Phe Val His Leu Tyr Leu Gly Asn Val Leu Ala Leu Leu Leu
 1 5 10 15
 Phe Val His Tyr Ser Asn Gly Asp Glu Ser Ser Asp Pro Gly Pro Gln
 20 25 30
 His Arg Ala Gln Gly Pro Gly Pro Glu Pro Thr Leu Gly Pro Leu Thr
 35 40 45
 Arg Leu Glu Gly Ile Lys Val Gly His Glu Arg Lys Val Gln Leu Val
 50 55 60
 Thr Asp Arg Asp His Phe Ile Arg Thr Leu Ser Leu Lys Pro Leu Leu
 65 70 75 80
 Phe Glu Ile Pro Gly Phe Leu Thr Asp Glu Glu Cys Arg Leu Ile Ile
 85 90 95
 His Leu Ala Gln Met Lys Gly Leu Gln Arg Xaa Arg Ser Cys Leu Leu
 100 105 110
 Lys Ser Met Lys Arg Gln Xaa
 115

<210> 143
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 143
 Met Lys Leu Thr Ile Phe Phe Xaa Phe Pro Gln Thr Ile Thr Gly Leu
 1 5 10 15

Leu Gln Xaa Leu Met Ser Arg Gln Val Glu Asp Val Ala Phe Leu Pro
 20 25 30

Leu Pro His Pro Val Phe Ser Phe Ser Phe Phe Phe Pro Leu Val Xaa
 35 40 45

<210> 144

<211> 520

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (207)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (213)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (225)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (520)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 144

Met Gln Gly Gly Gln Arg Pro His Leu Leu Leu Leu Leu Leu Ala Val
 1 5 10 15

Cys Leu Gly Ala Gln Ser Arg Asn Gln Glu Glu Arg Leu Leu Ala Asp
 20 25 30

Leu Met Arg Asn Tyr Asp Pro His Leu Arg Pro Ala Glu Arg Asp Ser
 35 40 45

Asp Val Val Asn Val Ser Leu Lys Leu Thr Leu Thr Asn Leu Ile Ser
 50 55 60

Leu Asn Glu Arg Glu Glu Ala Leu Thr Thr Asn Val Trp Ile Glu Met

65	70					75					80				
Gln Trp Cys Asp Tyr Arg Leu Arg Trp Asp Pro Lys Asp Tyr Glu Gly	85					90					95				
Leu Trp Ile Leu Arg Val Pro Ser Thr Met Val Trp Arg Pro Asp Ile	100					105					110				
Val Leu Glu Asn Asn Val Asp Gly Val Phe Glu Val Ala Leu Tyr Cys	115					120					125				
Asn Val Leu Val Ser Pro Asp Gly Cys Ile Tyr Trp Leu Pro Pro Ala	130					135					140				
Ile Phe Arg Ser Ser Cys Ser Ile Ser Val Thr Tyr Phe Pro Phe Asp	145					150					155				
Trp Gln Asn Cys Ser Leu Ile Phe Gln Ser Gln Thr Tyr Ser Thr Ser	165					170					175				
Glu Ile Asn Leu Gln Leu Ser Gln Glu Asp Gly Gln Ala Ile Glu Trp	180					185					190				
Ile Phe Ile Asp Pro Glu Ala Phe Thr Glu Asn Gly Xaa Trp Xaa Ile	195					200					205				
Arg His Arg Pro Xaa Lys Met Leu Leu Asp Ser Val Ala Pro Ala Glu	210					215					220				
Xaa Ala Gly His Gln Lys Val Val Phe Tyr Leu Leu Ile Gln Arg Lys	225					230					235				
Pro Leu Phe Tyr Val Ile Asn Ile Ile Ala Pro Cys Val Leu Ile Ser	245					250					255				
Ser Val Ala Ile Leu Ile Tyr Phe Leu Pro Ala Lys Ala Gly Gly Gln	260					265					270				
Lys Cys Thr Val Ala Thr Asn Val Leu Leu Ala Gln Thr Val Phe Leu	275					280					285				
Phe Leu Val Ala Lys Lys Val Pro Glu Thr Ser Gln Ala Val Pro Leu	290					295					300				
Ile Ser Lys Tyr Leu Thr Phe Leu Met Val Val Thr Ile Leu Ile Val	305					310					315				
Val Asn Ser Val Val Val Leu Asn Val Ser Leu Arg Ser Pro His Thr	325					330					335				
His Ser Met Ala Arg Gly Val Arg Lys Val Phe Leu Arg Leu Leu Pro	340					345					350				
Gln Leu Leu Arg Met His Val Arg Pro Leu Ala Pro Ala Val Gln	355					360					365				

Asp Ala Arg Phe Arg Leu Gln Asn Gly Ser Ser Ser Gly Trp Pro Ile
 370 375 380
 Met Ala Arg Glu Glu Gly Asp Leu Cys Leu Pro Arg Ser Glu Leu Leu
 385 390 395 400
 Phe Arg Gln Arg Gln Arg Asn Gly Leu Val Gln Ala Val Leu Glu Lys
 405 410 415
 Leu Glu Asn Gly Pro Glu Val Arg Gln Ser Gln Glu Phe Cys Gly Ser
 420 425 430
 Leu Lys Gln Ala Ser Pro Ala Ile Gln Ala Cys Val Asp Ala Cys Asn
 435 440 445
 Leu Met Ala Arg Ala Arg Arg Gln Gln Ser His Phe Asp Ser Gly Asn
 450 455 460
 Glu Glu Trp Leu Leu Val Gly Arg Val Leu Asp Arg Val Cys Phe Leu
 465 470 475 480
 Ala Met Leu Ser Leu Phe Ile Cys Gly Thr Ala Gly Ile Phe Leu Met
 485 490 495
 Ala His Tyr Asn Gln Val Pro Asp Leu Pro Phe Pro Gly Asp Pro Arg
 500 505 510
 Pro Tyr Leu Pro Leu Pro Asp Xaa
 515 520

<210> 145

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 145

Met Leu Leu Phe Ser Ser Arg Phe Ile Met Phe Leu Trp Pro Pro Val
 1 5 10 15
 Ser Gly Val Cys Leu Ser Phe Ile Arg Asp Arg Ser Phe Leu Pro Met
 20 25 30
 Cys His Phe Ile Tyr Val Leu Ile Leu Cys Asn Ser Ile Ala Leu Xaa
 35 40 45

<210> 146

<211> 431

<212> PRT

<213> Homo sapiens

<400> 146

Met	Ser	Trp	Val	Gln	Ala	Thr	Leu	Leu	Ala	Arg	Gly	Leu	Cys	Arg	Ala
1				5					10					15	

Trp	Gly	Gly	Thr	Cys	Gly	Ala	Ala	Leu	Thr	Gly	Thr	Ser	Ile	Ser	Gln
			20					25					30		

Val	Pro	Arg	Arg	Leu	Pro	Arg	Gly	Leu	His	Cys	Ser	Ala	Ala	Ala	His
		35					40					45			

Ser	Ser	Glu	Gln	Ser	Leu	Val	Pro	Ser	Pro	Pro	Glu	Pro	Arg	Gln	Arg
	50					55					60				

Pro	Thr	Lys	Ala	Leu	Val	Pro	Phe	Glu	Asp	Leu	Phe	Gly	Gln	Ala	Pro
65					70					75					80

Gly	Gly	Glu	Arg	Asp	Lys	Ala	Ser	Phe	Leu	Gln	Thr	Val	Gln	Lys	Phe
				85					90					95	

Ala	Glu	His	Ser	Val	Arg	Lys	Arg	Gly	His	Ile	Asp	Phe	Ile	Tyr	Leu
			100					105					110		

Ala	Leu	Arg	Lys	Met	Arg	Glu	Tyr	Gly	Val	Glu	Arg	Asp	Leu	Ala	Val
		115					120					125			

Tyr	Asn	Gln	Leu	Leu	Asn	Ile	Phe	Pro	Lys	Glu	Val	Phe	Arg	Pro	Arg
130						135					140				

Asn	Ile	Ile	Gln	Arg	Ile	Phe	Val	His	Tyr	Pro	Arg	Gln	Gln	Glu	Cys
145					150					155				160	

Gly	Ile	Ala	Val	Leu	Glu	Gln	Met	Glu	Asn	His	Gly	Val	Met	Pro	Asn
			165						170					175	

Lys	Glu	Thr	Glu	Phe	Leu	Leu	Ile	Gln	Ile	Phe	Gly	Arg	Lys	Ser	Tyr
			180					185					190		

Pro	Met	Leu	Lys	Leu	Val	Arg	Leu	Lys	Leu	Trp	Phe	Pro	Arg	Phe	Met
		195					200					205			

Asn	Val	Asn	Pro	Phe	Pro	Val	Pro	Arg	Asp	Leu	Pro	Gln	Asp	Pro	Val
210						215					220				

Glu	Leu	Ala	Met	Phe	Gly	Leu	Arg	His	Met	Glu	Pro	Asp	Leu	Ser	Ala
225					230					235					240

Arg	Val	Thr	Ile	Tyr	Gln	Val	Pro	Leu	Pro	Lys	Asp	Ser	Thr	Gly	Ala
				245					250					255	

Ala	Asp	Pro	Pro	Gln	Pro	His	Ile	Val	Gly	Ile	Gln	Ser	Pro	Asp	Gln
			260					265					270		
Gln	Ala	Ala	Leu	Ala	Arg	His	Asn	Pro	Ala	Arg	Pro	Val	Phe	Val	Glu
		275					280					285			
Gly	Pro	Phe	Ser	Leu	Trp	Leu	Arg	Asn	Lys	Cys	Val	Tyr	Tyr	His	Ile
	290					295					300				
Leu	Arg	Ala	Asp	Leu	Leu	Pro	Pro	Glu	Glu	Arg	Glu	Val	Glu	Glu	Thr
305					310					315					320
Pro	Glu	Glu	Trp	Asn	Leu	Tyr	Tyr	Pro	Met	Gln	Leu	Asp	Leu	Glu	Tyr
				325					330					335	
Val	Arg	Ser	Gly	Trp	Asp	Asn	Tyr	Glu	Phe	Asp	Ile	Asn	Glu	Val	Glu
			340					345					350		
Glu	Gly	Pro	Val	Phe	Ala	Met	Cys	Met	Ala	Gly	Ala	His	Asp	Gln	Ala
		355					360					365			
Thr	Met	Ala	Lys	Trp	Ile	Gln	Gly	Leu	Gln	Glu	Thr	Asn	Pro	Thr	Leu
	370					375						380			
Ala	Gln	Ile	Pro	Val	Val	Phe	Arg	Leu	Ala	Gly	Ser	Thr	Arg	Glu	Leu
385					390					395					400
Gln	Thr	Ser	Ser	Ala	Gly	Leu	Glu	Glu	Pro	Pro	Leu	Pro	Glu	Asp	His
				405					410					415	
Gln	Glu	Glu	Asp	Asp	Asn	Leu	Gln	Arg	Gln	Gln	Gln	Gly	Gln	Ser	
			420					425					430		

<210> 147

<211> 443

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (364)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (443)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 147

Met	Trp	Phe	Thr	Tyr	Leu	Leu	Leu	Tyr	Leu	His	Ser	Val	Arg	Ala	Tyr
1					5				10					15	

Ser	Ser	Arg	Gly	Ala	Gly	Cys	Cys	Cys	Cys	Trp	Ala	Arg	Trp	Arg	Arg
			20					25					30		

Ala	Val	His	Thr	Ala	Arg	Gly	Leu	Arg	Gly	Arg	Pro	Arg	Arg	Gln	Leu	35	40	45
Leu	Arg	Pro	Leu	Arg	Pro	Ala	Gln	Gly	Leu	Ala	Pro	Gly	Arg	His	Arg	50	55	60
Leu	Arg	Pro	Ala	Val	Leu	Pro	Leu	His	Leu	Gln	Pro	Leu	Pro	Gly	Leu	65	70	75
Trp	Gly	Gly	His	Ala	Glu	Trp	Ala	Ala	Leu	Leu	Tyr	Tyr	Gly	Pro	Phe	85	90	95
Ile	Val	Ile	Phe	Gln	Phe	Gly	Trp	Ala	Ser	Thr	Gln	Ile	Ser	His	Leu	100	105	110
Ser	Leu	Ile	Pro	Glu	Leu	Val	Thr	Asn	Asp	His	Glu	Lys	Val	Glu	Leu	115	120	125
Thr	Ala	Leu	Arg	Tyr	Ala	Phe	Thr	Val	Val	Ala	Asn	Ile	Thr	Val	Tyr	130	135	140
Gly	Ala	Ala	Trp	Leu	Leu	Leu	His	Leu	Gln	Gly	Ser	Ser	Arg	Val	Glu	145	150	155
Pro	Thr	Gln	Asp	Ile	Ser	Ile	Ser	Asp	Gln	Leu	Gly	Gly	Gln	Asp	Val	165	170	175
Pro	Val	Phe	Arg	Asn	Leu	Ser	Leu	Leu	Val	Val	Gly	Val	Gly	Ala	Val	180	185	190
Phe	Ser	Leu	Leu	Phe	His	Leu	Gly	Thr	Arg	Glu	Arg	Arg	Arg	Pro	His	195	200	205
Ala	Glu	Glu	Pro	Gly	Glu	His	Thr	Pro	Leu	Leu	Ala	Pro	Ala	Thr	Ala	210	215	220
Gln	Pro	Leu	Leu	Leu	Trp	Lys	His	Trp	Leu	Arg	Glu	Pro	Ala	Phe	Tyr	225	230	235
Gln	Val	Gly	Ile	Leu	Tyr	Met	Thr	Thr	Arg	Leu	Ile	Val	Asn	Leu	Ser	245	250	255
Gln	Thr	Tyr	Met	Ala	Met	Tyr	Leu	Thr	Tyr	Ser	Leu	His	Leu	Pro	Lys	260	265	270
Lys	Phe	Ile	Ala	Thr	Ile	Pro	Leu	Val	Met	Tyr	Leu	Ser	Gly	Phe	Leu	275	280	285
Ser	Ser	Phe	Leu	Met	Lys	Pro	Ile	Asn	Lys	Cys	Ile	Gly	Arg	Asn	Met	290	295	300
Thr	Tyr	Phe	Ser	Gly	Leu	Leu	Val	Ile	Leu	Ala	Phe	Ala	Ala	Trp	Val	305	310	315

Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Ala Val Leu
 325 330 335

Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met Thr
 340 345 350

Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Xaa Phe Val Tyr Gly
 355 360 365

Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu Ala Val Met Ala
 370 375 380

Ile Gln Ser Leu His Pro Cys Pro Ser Glu Leu Cys Cys Arg Ala Cys
 385 390 395 400

Val Ser Phe Tyr His Trp Ala Met Val Ala Val Thr Gly Gly Val Gly
 405 410 415

Val Ala Ala Ala Leu Cys Leu Cys Ser Leu Leu Leu Trp Pro Thr Arg
 420 425 430

Leu Arg Arg Trp Asp Arg Asp Ala Arg Pro Xaa
 435 440

<210> 148

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 148

Met Ser Arg Phe Ile Leu Asn His Leu Val Leu Ala Ile Pro Leu Arg
 1 5 10 15

Val Leu Val Val Leu Trp Ala Phe Val Leu Gly Leu Ser Arg Val Met
 20 25 30

Leu Gly Arg His Asn Val Thr Asp Val Ala Phe Gly Phe Phe Leu Gly
 35 40 45

Tyr Met Gln Tyr Ser Ile Val Asp Tyr Cys Trp Leu Ser Pro His Asn
 50 55 60

Ala Pro Val Leu Phe Leu Leu Trp Ser Gln Arg Xaa
 65 70 75

<210> 149

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 149

Met	Ala	Gly	Trp	Phe	Arg	Gly	Phe	Phe	Gly	Phe	Leu	Phe	Phe	Phe	Leu
1				5					10					15	

Cys	Leu	Phe	Asn	Leu	Lys	Leu	Phe	Lys	Leu	Lys	His	Ser	Gln	Met	Phe
			20					25					30		

Gly	Gly	Lys	His	Pro	Leu	Lys	Met	Gly	Pro	Cys	Ala	Cys	Leu	Leu	Gly
		35					40					45			

Arg	Arg	Ser	Xaa
			50

<210> 150

<211> 209

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 150

Met	Ala	Xaa	Ser	Ser	Arg	Gly	Asn	Ala	Asp	Ser	Ile	Val	Ala	Ser	Leu
1				5					10					15	

Val	Leu	Met	Val	Leu	Tyr	Leu	Ile	Lys	Lys	Arg	Leu	Val	Ala	Cys	Ala
			20					25					30		

Ala	Val	Phe	Tyr	Gly	Phe	Xaa	Val	His	Met	Lys	Ile	Tyr	Pro	Val	Thr
		35					40					45			

Tyr	Ile	Leu	Pro	Ile	Thr	Leu	His	Leu	Leu	Pro	Asp	Arg	Asp	Asn	Asp
	50						55				60				

Lys	Ser	Leu	Arg	Gln	Phe	Arg	Tyr	Thr	Phe	Gln	Ala	Cys	Leu	Tyr	Glu
65					70				75					80	

Leu	Leu	Lys	Lys	Leu	Cys	Asn	Arg	Ala	Val	Leu	Leu	Phe	Val	Ala	Val
				85					90					95	

Ala Gly Leu Thr Phe Phe Ala Leu Ser Phe Gly Phe Tyr Tyr Glu Tyr
 100 105 110

Gly Trp Glu Phe Leu Glu His Thr Tyr Phe Tyr His Leu Thr Arg Arg
 115 120 125

Asp Ile Arg His Asn Phe Ser Pro Tyr Phe Tyr Met Leu Tyr Leu Thr
 130 135 140

Ala Glu Ser Lys Trp Ser Phe Ser Leu Gly Ile Ala Ala Phe Leu Pro
 145 150 155 160

Gln Leu Ile Leu Leu Ser Ala Val Ser Phe Ala Tyr Tyr Arg Asp Leu
 165 170 175

Val Phe Cys Cys Phe Leu His Thr Ser Ile Phe Val Thr Phe Asn Lys
 180 185 190

Val Cys Thr Ser Gln Tyr Phe Leu Trp Val Pro Leu Ala Tyr Cys Leu
 195 200 205

Leu

<210> 151

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (198)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (213)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (219)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 151

Met Arg Ala Leu Leu Ala Leu Cys Leu Leu Leu Gly Trp Leu Arg Trp
 1 5 10 15

Gly Pro Ala Gly Ala Gln Gln Ser Gly Glu Tyr Cys His Gly Trp Val
 20 25 30

Asp Val Gln Gly Asn Tyr His Glu Gly Phe Gln Cys Pro Glu Asp Phe
 35 40 45

Asp Thr Leu Asp Ala Thr Ile Cys Cys Gly Ser Cys Ala Leu Arg Tyr
 50 55 60

Cys Cys Ala Ala Ala Asp Ala Arg Leu Glu Gln Gly Gly Cys Thr Asn
 65 70 75 80

Asp Arg Arg Glu Leu Glu His Pro Gly Ile Thr Ala Gln Pro Val Tyr
 85 90 95

Val Pro Phe Leu Ile Val Gly Ser Ile Phe Ile Ala Phe Ile Ile Leu
 100 105 110

Gly Ser Val Val Ala Ile Tyr Cys Cys Thr Cys Leu Arg Pro Lys Glu
 115 120 125

Pro Ser Gln Gln Pro Ile Arg Phe Ser Leu Arg Ser Tyr Gln Thr Glu
 130 135 140

Thr Leu Pro Met Ile Leu Thr Ser Thr Ser Pro Arg Ala Pro Ser Arg
 145 150 155 160

Gln Ser Ser Thr Ala Thr Ser Xaa Ser Phe Thr Gly Gly Xaa Ile Arg
 165 170 175

Arg Phe Phe Ser Ala Ile Trp Phe Pro Gly Val Thr Pro Val Phe Arg
 180 185 190

Leu Pro Pro Ser Ala Xaa Ala Pro Thr Gly Trp Glu Glu Leu Ser Arg
 195 200 205

Leu Ser Val Pro Xaa Asp Thr Pro Arg Pro Xaa
 210 215

<210> 152

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 152

Met	Gly	Ala	His	Ser	Phe	Gly	Phe	Gln	Leu	Phe	Met	Ser	Val	Ser	Val
1				5				10					15		

Leu	Trp	Gly	Arg	Leu	Cys	Leu	Tyr	Gly	Arg	Phe	Ser	Val	Ile	Thr	Phe
			20					25					30		

Ala	Ser	Pro	Pro	Thr	Thr	Phe	Met	Xaa	Ile	Gln	Cys	Cys	Ser	His	Cys
		35					40					45			

Ser Xaa

50

<210> 153

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 153

Met	His	Ile	His	Leu	Asp	Thr	Ser	Ser	Leu	Lys	Thr	Leu	His	Leu	Gly
1				5					10				15		

Thr	Leu	Phe	Phe	Leu	Phe	Tyr	Leu	Ala	Leu	Thr	Gln	Asn	Glu	Glu	Asn
			20					25					30		

Ile	Cys	Asp	Gly	Lys	Val	Thr	Leu	Xaa
		35					40	

<210> 154

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 154

Met	Pro	Ile	Ile	Val	Leu	Ile	Leu	Val	Ser	Leu	Leu	Ser	Gln	Leu	Met
1				5				10					15		

Val	Ser	Asn	Pro	Pro	Tyr	Ser	Leu	Tyr	Pro	Arg	Ser	Gly	Thr	Gly	Gln
			20					25					30		

Thr	Ile	Lys	Met	Gln	Thr	Glu	Asn	Leu	Gly	Val	Val	Tyr	Tyr	Val	Asn
		35					40					45			
Lys	Asp	Phe	Lys	Asn	Glu	Tyr	Lys	Gly	Met	Leu	Leu	Gln	Lys	Val	Glu
	50					55					60				
Lys	Ser	Val	Glu	Glu	Asp	Tyr	Val	Thr	Asn	Ile	Arg	Asn	Asn	Cys	Trp
65					70					75					80
Lys	Glu	Arg	Gln	Gln	Lys	Thr	Asp	Met	Gln	Tyr	Ala	Ala	Lys	Val	Tyr
				85					90					95	
Arg	Asp	Asp	Arg	Leu	Arg	Arg	Arg	Gln	Met	Pro	Xaa				
			100					105							

<210> 155

<211> 157

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 155

Met Gln Ala Ser Leu Trp Glu Pro Pro Arg Ser Gly Leu Pro Leu Trp
1 5 10 15

Ala Glu Gly Leu Thr Phe Phe Tyr Cys Tyr Met Leu Leu Leu Val Leu
20 25 30

Pro Cys Val Ala Leu Ser Glu Val Ser Met Gln Gly Glu His Ile Ala
35 40 45

Pro Gln Lys Met Met Leu Tyr Pro Val Leu Ser Leu Ala Thr Val Asn
50 55 60

Val Val Ala Val Leu Ala Arg Ala Ala Asn Met Ala Leu Phe Arg Asp
65 70 75 80

Ser Arg Val Ser Ala Ile Phe Val Gly Lys Asn Val Val Ala Leu Ala
85 90 95

Thr Lys Ala Cys Thr Phe Leu Glu Tyr Arg Arg Gln Val Arg Asp Phe
100 105 110

Pro Pro Pro Ala Leu Ser Leu Glu Leu Gln Pro Pro Pro Pro Gln Arg
115 120 125

Asn Ser Val Pro Pro Pro Pro Pro Leu His Gly Pro Pro Gly Arg Pro
130 135 140

His Met Ser Ser Pro Thr Arg Asp Pro Leu Asp Thr Xaa
 145 150 155

<210> 156

<211> 151

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 156

Met Gly Tyr Leu Phe Phe Leu Leu Phe Met Ile Cys Trp Met Ile Tyr
 1 5 10 15

Gly Cys Ile Ser Tyr Trp Gly Leu His Cys Glu Thr Thr Tyr Thr Lys
 20 25 30

Asp Gly Phe Trp Thr Tyr Ile Thr Gln Ile Ala Thr Cys Ser Pro Trp
 35 40 45

Met Phe Trp Met Phe Leu Asn Ser Val Phe His Phe Met Trp Val Ala
 50 55 60

Val Leu Leu Met Cys Gln Met Tyr Gln Ile Ser Cys Leu Gly Ile Thr
 65 70 75 80

Thr Asn Glu Arg Met Asn Ala Arg Arg Tyr Lys His Phe Lys Val Thr
 85 90 95

Thr Thr Ser Ile Glu Ser Pro Phe Asn His Gly Cys Val Arg Asn Ile
 100 105 110

Ile Asp Phe Phe Glu Phe Arg Cys Cys Gly Leu Phe Arg Pro Val Ile
 115 120 125

Val Asp Trp Thr Arg Gln Tyr Thr Ile Glu Tyr Asp Gln Ile Ser Gly
 130 135 140

Ser Gly Tyr Gln Leu Val Xaa
 145 150

<210> 157

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 157

Met Ala Leu Thr Leu Leu Leu Ile Gln Ile Ile Phe Leu Ala Leu Gly
 1 5 10 15

Lys Ile Ser Phe Ile Phe Val Cys Cys Lys Asp Gly Phe Ala Arg Ile
 20 25 30

Ser His Asp Gln Asp Lys Leu Pro Ile Gln Lys Pro Thr Asp Thr Asn
 35 40 45

Tyr Ile Met Arg Lys Lys Cys Ile Gln Leu Gly His Ile Ser Phe Glu
 50 55 60

Leu Phe Gly Leu Lys Ala Xaa
 65 70

<210> 158

<211> 490

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (389)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 158

Met Leu Ala Leu Thr Phe Met Phe Met Val Leu Glu Val Val Val Ser
 1 5 10 15

Arg Val Thr Ser Ser Leu Ala Met Leu Ser Asp Ser Phe His Met Leu
 20 25 30

Ser Asp Val Leu Ala Leu Val Val Ala Leu Val Ala Glu Arg Phe Ala
 35 40 45

Arg Arg Thr His Ala Thr Gln Lys Asn Thr Phe Gly Trp Ile Arg Ala
 50 55 60

Glu Val Met Gly Ala Leu Val Asn Ala Ile Phe Leu Thr Gly Leu Cys
 65 70 75 80

Phe Ala Ile Leu Leu Glu Ala Ile Glu Arg Phe Ile Glu Pro His Glu
 85 90 95

Met Gln Gln Pro Leu Val Val Leu Gly Val Gly Val Ala Gly Leu Leu
 100 105 110

Val	Asn	Val	Leu	Gly	Leu	Cys	Leu	Phe	His	His	His	Ser	Gly	Phe	Ser	115	120	125
Gln	Asp	Ser	Gly	His	Xaa	His	Ser	His	Gly	Gly	His	Gly	His	Gly	His	130	135	140
Gly	Leu	Pro	Lys	Gly	Pro	Arg	Val	Lys	Ser	Thr	Arg	Pro	Gly	Ser	Ser	145	150	155
Asp	Ile	Asn	Val	Ala	Pro	Gly	Glu	Gln	Gly	Pro	Asp	Gln	Glu	Glu	Thr	165	170	175
Asn	Thr	Leu	Val	Ala	Asn	Thr	Ser	Asn	Ser	Asn	Gly	Leu	Lys	Leu	Asp	180	185	190
Pro	Ala	Asp	Pro	Glu	Asn	Pro	Arg	Ser	Gly	Asp	Thr	Val	Glu	Val	Gln	195	200	205
Val	Asn	Gly	Asn	Leu	Val	Arg	Glu	Pro	Asp	His	Met	Glu	Leu	Glu	Glu	210	215	220
Asp	Arg	Ala	Gly	Gln	Leu	Asn	Met	Arg	Gly	Val	Phe	Leu	His	Val	Leu	225	230	235
Gly	Asp	Ala	Leu	Gly	Ser	Val	Ile	Val	Val	Val	Asn	Ala	Leu	Val	Phe	245	250	255
Tyr	Phe	Ser	Trp	Lys	Gly	Cys	Ser	Glu	Gly	Asp	Phe	Cys	Val	Asn	Pro	260	265	270
Cys	Phe	Pro	Asp	Pro	Cys	Lys	Pro	Phe	Val	Glu	Ile	Ile	Asn	Ser	Thr	275	280	285
His	Ala	Ser	Val	Tyr	Glu	Ala	Gly	Pro	Cys	Trp	Val	Leu	Tyr	Leu	Asp	290	295	300
Pro	Thr	Leu	Cys	Val	Val	Met	Val	Cys	Ile	Leu	Leu	Tyr	Thr	Thr	Tyr	305	310	315
Pro	Leu	Leu	Lys	Glu	Ser	Ala	Leu	Ile	Leu	Leu	Gln	Thr	Val	Pro	Lys	325	330	335
Gln	Ile	Asp	Ile	Arg	Asn	Leu	Ile	Lys	Glu	Leu	Arg	Asn	Val	Glu	Gly	340	345	350
Val	Glu	Glu	Val	His	Glu	Leu	His	Val	Trp	Gln	Leu	Ala	Gly	Ser	Arg	355	360	365
Ile	Ile	Ala	Thr	Ala	His	Ile	Lys	Cys	Glu	Asp	Pro	Thr	Ser	Tyr	Met	370	375	380
Glu	Val	Ala	Lys	Xaa	Ile	Lys	Asp	Val	Phe	His	Asn	His	Gly	Ile	His	385	390	395
Ala	Thr	Thr	Ile	Gln	Pro	Glu	Phe	Ala	Ser	Val	Gly	Ser	Lys	Ser	Ser			

				405						410						415
Val	Val	Pro	Cys	Glu	Leu	Ala	Cys	Arg	Thr	Gln	Cys	Ala	Leu	Lys	Gln	
			420					425					430			
Cys	Cys	Gly	Thr	Leu	Pro	Gln	Ala	Pro	Ser	Gly	Lys	Asp	Ala	Glu	Lys	
		435					440					445				
Thr	Pro	Ala	Val	Ser	Ile	Ser	Cys	Leu	Glu	Leu	Ser	Asn	Asn	Leu	Glu	
	450					455					460					
Lys	Lys	Pro	Arg	Arg	Thr	Lys	Ala	Glu	Asn	Ile	Pro	Ala	Val	Val	Ile	
465					470				475						480	
Glu	Ile	Lys	Asn	Met	Pro	Lys	Gln	Thr	Thr							
			485					490								

<210> 159
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 159																
Met	Gln	Pro	Cys	Val	Ile	Ser	Trp	Glu	Gln	Cys	Ser	Phe	Val	Ser	Pro	
1				5				10						15		
Arg	Gly	Pro	His	Val	Tyr	Ile	Cys	Phe	His	Asp	Gln	Arg	Arg	Phe		
			20					25					30			

<210> 160
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 160																
Met	Leu	Gly	Leu	Leu	Gly	Ser	Thr	Ala	Leu	Val	Gly	Trp	Ile	Thr	Gly	
1				5				10						15		
Ala	Ala	Val	Ala	Val	Leu	Leu	Leu	Leu	Leu	Leu	Ala	Thr	Cys	Leu		
			20				25					30				
Phe	His	Gly	Arg	Gln	Asp	Cys	Asp	Val	Glu	Arg	Asn	Arg	Thr	Ala	Ala	
		35				40					45					

Gly Gly Asn Arg Val Arg Arg Ala Gln Pro Trp Pro Phe Arg Arg Arg
 50 55 60
 Gly His Leu Gly Ile Phe His His His Arg His Pro Gly His Val Ser
 65 70 75 80
 His Val Pro Asn Val Gly Leu His His His His His Pro Arg His Xaa
 85 90 95
 Pro His His Xaa His His His His His Pro His Arg His His Pro Arg
 100 105 110
 His Ala Arg
 115

<210> 161
 <211> 380
 <212> PRT
 <213> Homo sapiens

<400> 161
 Met Lys Arg Ala Ser Ala Gly Gly Ser Arg Leu Leu Ala Trp Val Leu
 1 5 10 15
 Trp Leu Gln Ala Trp Gln Val Ala Ala Pro Cys Pro Gly Ala Cys Val
 20 25 30
 Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu
 35 40 45
 Gln Ala Val Pro Val Gly Ile Pro Ala Ala Ser Gln Arg Ile Phe Leu
 50 55 60
 His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Arg Ala Cys
 65 70 75 80
 Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile
 85 90 95
 Asp Ala Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu
 100 105 110
 Ser Asp Asn Ala Gln Leu Arg Ser Val Asp Pro Ala Thr Phe His Gly
 115 120 125
 Leu Gly Arg Leu His Thr Val His Leu Asp Arg Cys Gly Leu Gln Glu
 130 135 140
 Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
 145 150 155 160
 Leu Gln Asp Asn Ala Leu Gln Ala Leu Pro Asp Asp Thr Phe Arg Asp
 165 170 175

Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Ser Ser
 180 185 190

Val Pro Glu Arg Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
 195 200 205

Leu His Gln Asn Arg Val Ala His Val His Pro His Ala Phe Arg Asp
 210 215 220

Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala
 225 230 235 240

Leu Pro Thr Glu Ala Leu Ala Pro Leu Arg Ala Leu Gln Tyr Leu Arg
 245 250 255

Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
 260 265 270

Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser
 275 280 285

Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn
 290 295 300

Asp Leu Gln Gly Cys Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp
 305 310 315 320

Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys
 325 330 335

Gln Pro Asp Ala Ala Asp Lys Ala Ser Val Leu Glu Pro Gly Arg Pro
 340 345 350

Ala Ser Ala Gly Asn Ala Leu Lys Gly Pro Arg Ala Gly Arg Gly Gln
 355 360 365

Ala Arg Arg Glu Thr Val Phe Gly Pro Arg Glu His
 370 375 380

<210> 162

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 162

Met Arg Leu Cys Val Thr Gly Pro Pro Val Phe Phe Phe Phe Leu Asn
 1 5 10 15

Phe Phe Phe Phe Leu Cys Val Gly Ala Cys Leu Gly Asp Leu Lys Ile
 20 25 30
 Ser Arg Leu Val Tyr Leu Cys Lys Ala Cys Leu Arg Leu Glu Tyr Leu
 35 40 45
 Gly Lys Glu Ser Asp Ser Met Leu Ser Glu Phe Leu Lys Gly Gln Lys
 50 55 60
 Lys Asn Trp Arg Leu Leu Lys Cys Arg Phe Glu Val Ile Phe Leu Lys
 65 70 75 80
 Tyr Tyr Phe Gly Phe Cys Asp Ile Val Lys Asn Xaa
 85 90

<210> 163
 <211> 45
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 163
 Met Lys Lys His Thr Lys Cys Gln Trp Leu Lys Met Thr Ile Leu Phe
 1 5 10 15
 Leu Thr Val Met Lys Ile Gly Tyr Gly Thr Ser Ala Ser Cys Tyr Arg
 20 25 30
 Pro Glu Val Leu Gly Leu Leu Met Pro His Pro Leu Xaa
 35 40 45

<210> 164
 <211> 46
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 164
 Met Ser Cys Gly Cys Cys Phe Ile His Ile Tyr Asn Leu Leu Leu Ser
 1 5 10 15
 Leu Cys Tyr Gly Leu Gly Val Glu Arg Val Lys Phe Phe Thr Phe Ser
 20 25 30
 Ile Leu Lys Lys Glu Thr Met Leu Leu Asn Tyr Leu Phe Xaa

35

40

45

<210> 165

<211> 128

<212> PRT

<213> Homo sapiens

<400> 165

Met	Leu	Ser	Ser	Pro	Ile	Leu	Ala	Ser	Gly	Pro	Ala	Trp	Leu	Ala	Cys
1				5					10					15	

Ser	Phe	Ser	His	Val	Gln	Trp	Trp	Val	Cys	Leu	Ile	Ala	Gln	Val	Gln
			20					25					30		

Phe	Ser	Ala	Ala	Thr	Val	Ser	Pro	Gly	Arg	Ala	Gly	Thr	Gly	Ala	Ala
		35					40					45			

Pro	Ser	Val	Pro	Ala	Val	Trp	Ala	Ala	Glu	Ala	Arg	Gly	Pro	Ser	Val
	50					55					60				

Pro	Ser	Thr	Leu	Gln	Gly	Ser	Pro	Val	Leu	Gln	Arg	Asp	Leu	Ala	Asn
65				70						75					80

Pro	Pro	Pro	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
			85					90						95	

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
			100					105					110		

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Gly	Gly	Pro
			115					120					125		

<210> 166

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 166

Met	His	Pro	Trp	Arg	Leu	Ser	Met	Cys	Pro	Ala	Cys	Val	Leu	Ala	Ala
1				5					10					15	

Leu	Pro	Ala	Leu	Cys	Ser	Cys	Leu	Cys	Ser	Pro	Asp	Ala	Arg	Pro	Pro
			20					25					30		

His	Gly	Trp	Met	Ser	Met	Pro	Phe	Thr	Pro	His	Pro	Leu	Val	Ser	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

35 40 45

Ala Met Pro Thr Cys His Pro Cys Ser Xaa
50 55

<210> 167
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 167

Met Tyr Arg Ala Ile Asp Ser Phe Pro Arg Trp Arg Ser Tyr Phe Tyr
1 5 10 15

Phe Ile Thr Leu Ile Phe Phe Leu Ala Trp Leu Val Lys Asn Val Phe
20 25 30

Ile Ala Val Ile Ile Glu Thr Phe Ala Glu Ile Arg Val Gln Phe Gln
35 40 45

Gln Met Trp Gly Ser Arg Ser Ser Thr Thr Ser Thr Ala Thr Thr Gln
50 55 60

Met Phe His Glu Asp Ala Ala Gly Gly Trp Gln Leu Val Ala Val Gly
65 70 75 80

Cys Gln Gln Ala Pro Gly Thr Arg Pro Ser Leu Pro Pro Gly Ala Val
85 90 95

Gln Xaa

<210> 168
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 168

Met Thr Ser Phe Cys Glu Met Leu Lys Gly Ser Ala Ala Gly Cys Leu
1 5 10 15

Val Leu Leu Ala Phe Ala Phe Tyr Leu Ala Cys Ser Phe Ser His Lys
20 25 30

Thr Lys Ser His Ser His Tyr Ala Leu Phe Ile Leu Gln Asp Tyr Leu
 35 40 45

Leu Gly Asn Phe Tyr Tyr Ile Pro Leu Ser Pro Xaa
 50 55 60

<210> 169

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 169

Met Ser Val Ala His Met His Ala Cys Val Phe Leu Cys Ala Cys Val
 1 5 10 15

Phe Cys Leu Ala Glu Asn Ala Leu Glu Ser Val Ile Ile Leu Cys Tyr
 20 25 30

Ser Tyr Asn Lys Asp Glu Val Arg Glu His Xaa
 35 40

<210> 170

<211> 54

<212> PRT

<213> Homo sapiens

<400> 170

Met Lys Thr His Leu Leu Met Phe Leu Leu Ser Cys Met Ala Arg Cys
 1 5 10 15

Thr Gly Ile Val Pro Lys Arg Pro Gln Pro Ala Phe Pro Leu Arg Gly
 20 25 30

Arg Arg Arg Lys Asn Ser Phe Leu Phe Leu Leu Ser Phe Ser Ile Glu
 35 40 45

Phe Leu Leu Cys Val Trp
 50

<210> 171

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 171

Met	Cys	Lys	Ala	Val	Cys	Lys	His	Arg	Leu	Xaa	Leu	Phe	Ala	Val	Ser
1				5					10					15	
Ser	Phe	Ser	Leu	Gly	Leu	Gly	Trp	Val	Cys	Val	Leu	Val	Leu	Met	Leu
			20				25						30		
Trp	Pro	Val	Arg	Leu	Ser	Leu	Ala	Pro	Arg	Pro	Val	Gln	Leu	Gln	Gln
		35					40					45			
Arg	Arg	Ser	His	Cys											
		50													

<210> 172

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 172

Met	Phe	Thr	Ala	Pro	Leu	Phe	Phe	Phe	Phe	Phe	Phe	Glu	Ile	Ile	Asn
1				5					10					15	
Ser	Met	Arg	Asn	Leu	Gly	Leu	Asn	Ile	Cys	Leu	Leu	Cys	Leu	Leu	Ile
			20				25					30			
Glu	His	His	Ser	Arg	Pro	Ser	Val	Cys	Leu	Pro	Phe	Thr	Pro	Lys	Ile
		35					40				45				
Leu	Thr	Lys	Lys	Phe	Xaa										
		50													

<210> 173

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 173

Met	Leu	Cys	Phe	Leu	Pro	Ile	Pro	Leu	Leu	Ser	Ile	Leu	Ser	Pro	Gln
1				5					10					15	

Thr Gln Ala Ser Arg Leu Leu Asp Glu Thr Val Arg Arg Lys His Phe
 20 25 30

Leu Thr Tyr Pro Phe Gly Ile Ser Ser Ile Ile Thr Gln Ala Leu Leu
 35 40 45

Xaa

<210> 174

<211> 224

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (183)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>-

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 174

Met Val Leu Val Ala Leu Ile Leu Leu His Ser Ala Leu Ala Gln Ser
 1 5 10 15

Arg Arg Asp Phe Ala Pro Pro Gly Gln Gln Lys Arg Glu Ala Pro Val
 20 25 30

Asp Val Leu Thr Gln Ile Gly Arg Ser Val Arg Gly Thr Leu Asp Ala
 35 40 45

Trp Ile Gly Pro Glu Thr Met His Leu Val Ser Glu Ser Ser Ser Gln
 50 55 60

Val Leu Trp Ala Ile Ser Ser Ala Ile Ser Val Ala Phe Phe Ala Leu
 65 70 75 80

Ser Gly Ile Ala Ala Gln Leu Leu Asn Ala Leu Gly Leu Ala Gly Asp
 85 90 95

Tyr Leu Ala Gln Gly Leu Lys Leu Ser Pro Gly Gln Val Gln Thr Phe
 100 105 110

Leu Leu Trp Gly Ala Gly Ala Leu Val Val Tyr Trp Leu Leu Ser Leu
 115 120 125

Leu Leu Gly Leu Val Leu Ala Leu Leu Gly Arg Ile Leu Trp Gly Leu
 130 135 140

Lys Leu Val Ile Phe Leu Ala Gly Phe Val Ala Leu Met Arg Ser Val
 145 150 155 160

Pro	Asp	Pro	Ser	Thr	Arg	Ala	Leu	Leu	Leu	Leu	Ala	Leu	Leu	Ile	Leu
				165					170					175	
Tyr	Ala	Leu	Leu	Ser	Arg	Xaa	Thr	Gly	Ser	Arg	Ala	Ser	Gly	Ala	Gln
			180					185					190		
Leu	Glu	Ala	Lys	Val	Arg	Gly	Leu	Glu	Arg	Gln	Val	Glu	Glu	Leu	Arg
		195					200					205			
Trp	Arg	Gln	Arg	Gln	Xaa	Ala	Lys	Gly	Ala	Arg	Ser	Val	Glu	Glu	Glu
	210					215					220				

<210> 175
 <211> 201
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (190)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (201)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 175

Met	Leu	Gln	Arg	Met	Leu	Ile	Asp	Val	Xaa	Xaa	Phe	Leu	Phe	Leu	Phe
1				5					10					15	

Ala	Val	Trp	Met	Val	Ala	Phe	Gly	Val	Ala	Xaa	Gln	Gly	Ile	Leu	Arg
			20					25					30		

Gln	Asn	Glu	Gln	Arg	Trp	Arg	Trp	Ile	Phe	Arg	Ser	Val	Ile	Tyr	Glu
		35					40					45			

Pro	Xaa	Leu	Ala	Met	Phe	Gly	Gln	Val	Pro	Ser	Xaa	Val	Asp	Gly	Thr
	50					55					60				

Thr	Tyr	Asp	Phe	Ala	His	Cys	Thr	Phe	Thr	Gly	Asn	Glu	Ser	Lys	Pro
65					70					75					80

Leu	Cys	Val	Xaa	Leu	Asp	Glu	His	Asn	Leu	Pro	Arg	Phe	Pro	Glu	Trp
				85					90					95	

Ile	Thr	Ile	Pro	Leu	Val	Cys	Ile	Tyr	Met	Leu	Ser	Thr	Asn	Ile	Leu
			100					105					110		

Leu	Val	Asn	Leu	Leu	Val	Ala	Met	Phe	Gly	Tyr	Thr	Val	Gly	Thr	Val
		115				120						125			

Gln	Glu	Asn	Asn	Asp	Gln	Val	Trp	Lys	Phe	Gln	Arg	Tyr	Phe	Leu	Val
	130					135					140				

Gln	Glu	Tyr	Cys	Ser	Arg	Leu	Asn	Ile	Pro	Phe	Pro	Phe	Ile	Val	Phe
145					150					155					160

Ala	Tyr	Phe	Tyr	Met	Val	Val	Lys	Lys	Cys	Phe	Lys	Cys	Cys	Cys	Lys
				165					170					175	

Glu	Xaa	Asn	Xaa	Glu	Ser	Ser	Val	Cys	Cys	Ser	Lys	Met	Xaa	Thr	Met
			180					185					190		

Arg Leu Trp His Gly Arg Val Ser Xaa

195

200

<210> 176

<211> 93

<212> PRT

<213> Homo sapiens

<400> 176

Met	Pro	Arg	Ala	Thr	Leu	Trp	Gly	His	Leu	Ser	Pro	Ala	Trp	Val	Leu
1				5					10					15	

Val	Pro	Trp	Thr	Pro	Arg	Ala	Cys	Gly	Gln	Ala	Ala	Pro	Gly	Arg	Gly
			20					25					30		

His	Val	Ala	Ser	Asp	His	Lys	Ser	Gly	Leu	Pro	Trp	Pro	Lys	His	Cys
		35					40					45			

Ser	Cys	Leu	His	Pro	Arg	Ala	Ser	Gln	Pro	Cys	Leu	Phe	Ser	Leu	Asn
	50					55					60				

Ser	Asn	Arg	Thr	Val	Phe	Thr	Ala	Ile	Gln	Arg	Val	Ala	Leu	Gly	Trp
65					70					75					80

Thr	Phe	Trp	Val	Gln	Ala	Asn	Leu	Val	Pro	Arg	Cys	Thr
			85						90			

<210> 177

<211> 404

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (175)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (192)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (236)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (239)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (309)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (335)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (389)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 177

Met	His	Pro	Ile	Pro	Ser	Ser	Phe	Met	Ile	Lys	Ala	Val	Ser	Ser	Phe
1				5					10					15	
Leu	Thr	Ala	Glu	Glu	Ala	Ser	Val	Gly	Asn	Pro	Glu	Gly	Ala	Phe	Met
			20					25					30		
Lys	Val	Leu	Gln	Ala	Arg	Lys	Asn	Xaa	Thr	Ser	Thr	Glu	Leu	Ile	Val
		35					40					45			
Glu	Pro	Glu	Glu	Pro	Ser	Asp	Ser	Ser	Gly	Ile	Asn	Leu	Ser	Gly	Phe
	50					55					60				
Gly	Ser	Glu	Gln	Leu	Asp	Thr	Asn	Asp	Glu	Ser	Asp	Xaa	Ile	Ser	Thr
65					70					75				80	
Leu	Ser	Tyr	Ile	Leu	Pro	Tyr	Phe	Ser	Ala	Val	Asn	Leu	Asp	Val	Xaa
				85					90					95	
Ser	Xaa	Leu	Leu	Pro	Phe	Ile	Lys	Leu	Pro	Thr	Xaa	Gly	Asn	Ser	Leu
		100						105					110		
Ala	Lys	Ile	Gln	Thr	Val	Gly	Gln	Asn	Xaa	Gln	Xaa	Val	Xaa	Arg	Val
		115					120					125			
Leu	Met	Gly	Pro	Arg	Ser	Ile	Gln	Lys	Arg	His	Phe	Lys	Glu	Val	Gly
	130					135					140				
Arg	Gln	Ser	Ile	Arg	Arg	Glu	Gln	Gly	Ala	Gln	Ala	Ser	Val	Glu	Asn
145					150					155					160
Ala	Ala	Glu	Glu	Lys	Arg	Leu	Gly	Ser	Pro	Ala	Pro	Arg	Glu	Xaa	Glu
				165					170					175	
Gln	Pro	His	Thr	Gln	Gln	Gly	Pro	Glu	Lys	Leu	Ala	Gly	Asn	Ala	Xaa
			180					185					190		
Tyr	Thr	Lys	Pro	Ser	Phe	Thr	Gln	Glu	His	Lys	Ala	Ala	Val	Ser	Val
		195					200					205			
Leu	Xaa	Pro	Phe	Ser	Lys	Gly	Ala	Pro	Ser	Thr	Ser	Ser	Pro	Ala	Lys
	210					215					220				
Ala	Leu	Pro	Gln	Val	Arg	Asp	Arg	Trp	Lys	Asp	Xaa	Thr	His	Xaa	Ile
225					230					235					240
Ser	Ile	Leu	Glu	Ser	Ala	Lys	Ala	Arg	Val	Thr	Asn	Met	Lys	Ala	Ser
				245					250					255	
Lys	Pro	Ile	Ser	His	Ser	Arg	Lys	Lys	Tyr	Arg	Phe	His	Lys	Thr	Arg
			260					265						270	

Ser Arg Met Thr His Arg Thr Pro Lys Val Lys Lys Ser Pro Lys Phe
 275 280 285
 Arg Lys Lys Ser Tyr Leu Ser Arg Leu Met Leu Ala Asn Arg Pro Pro
 290 295 300
 Phe Ser Ala Ala Xaa Ser Leu Ile Asn Ser Pro Ser Gln Gly Ala Phe
 305 310 315 320
 Ser Ser Leu Gly Asp Leu Ser Pro Gln Glu Asn Pro Phe Leu Xaa Val
 325 330 335
 Ser Ala Pro Ser Glu His Phe Ile Glu Thr Thr Asn Ile Lys Asp Thr
 340 345 350
 Thr Ala Arg Asn Ala Leu Glu Glu Asn Val Phe Met Glu Asn Thr Asn
 355 360 365
 Met Pro Glu Val Thr Ile Ser Glu Asn Thr Asn Tyr Asn His Pro Pro
 370 375 380
 Glu Ala Asp Ser Xaa Gly Thr Ala Phe Asn Leu Gly Pro Thr Val Lys
 385 390 395 400
 Gln Thr Glu Thr

<210> 178

<211> 387

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (228)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (359)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 178

Met Gly Ala Phe Leu Asp Lys Pro Lys Thr Glu Lys His Asn Ala His
 1 5 10 15

Gly Ala Gly Asn Gly Leu Arg Tyr Gly Leu Ser Ser Met Gln Gly Trp
 20 25 30

Arg Val Glu Met Glu Asp Ala His Thr Ala Val Val Gly Ile Pro His
 35 40 45

Gly Leu Glu Asp Trp Ser Phe Phe Ala Val Tyr Asp Gly His Ala Gly
 50 55 60

Ser	Arg	Val	Ala	Asn	Tyr	Cys	Ser	Thr	His	Leu	Leu	Glu	His	Ile	Thr	65	70	75	80
Thr	Asn	Glu	Asp	Phe	Arg	Ala	Ala	Gly	Lys	Ser	Gly	Ser	Ala	Leu	Glu	85	90	95	
Leu	Ser	Val	Glu	Asn	Val	Lys	Asn	Gly	Ile	Arg	Thr	Gly	Phe	Leu	Lys	100	105	110	
Ile	Asp	Glu	Tyr	Met	Arg	Asn	Phe	Ser	Asp	Leu	Arg	Asn	Gly	Met	Asp	115	120	125	
Arg	Ser	Gly	Ser	Thr	Ala	Val	Gly	Val	Met	Ile	Ser	Pro	Lys	His	Ile	130	135	140	
Tyr	Phe	Ile	Asn	Cys	Gly	Asp	Ser	Arg	Ala	Val	Leu	Tyr	Arg	Asn	Gly	145	150	155	160
Gln	Val	Cys	Phe	Ser	Thr	Gln	Asp	His	Lys	Pro	Cys	Asn	Pro	Arg	Glu	165	170	175	
Lys	Glu	Arg	Ile	Gln	Asn	Ala	Gly	Gly	Ser	Val	Met	Ile	Gln	Arg	Val	180	185	190	
Asn	Gly	Ser	Leu	Ala	Val	Ser	Arg	Ala	Leu	Gly	Asp	Tyr	Asp	Tyr	Lys	195	200	205	
Cys	Val	Asp	Gly	Lys	Gly	Pro	Thr	Glu	Gln	Leu	Val	Ser	Pro	Glu	Pro	210	215	220	
Glu	Val	Tyr	Xaa	Ile	Leu	Arg	Ala	Glu	Glu	Asp	Glu	Phe	Ile	Ile	Leu	225	230	235	240
Ala	Cys	Asp	Gly	Ile	Trp	Asp	Val	Met	Ser	Asn	Glu	Glu	Leu	Cys	Glu	245	250	255	
Tyr	Val	Lys	Ser	Arg	Leu	Glu	Val	Ser	Asp	Asp	Leu	Glu	Asn	Val	Cys	260	265	270	
Asn	Trp	Val	Val	Asp	Thr	Cys	Leu	His	Lys	Gly	Ser	Arg	Asp	Asn	Met	275	280	285	
Ser	Ile	Val	Leu	Val	Cys	Phe	Ser	Asn	Ala	Pro	Lys	Val	Ser	Asp	Glu	290	295	300	
Ala	Val	Lys	Lys	Asp	Ser	Glu	Leu	Asp	Lys	His	Leu	Glu	Ser	Arg	Val	305	310	315	320
Glu	Glu	Ile	Met	Glu	Lys	Ser	Gly	Glu	Glu	Gly	Met	Pro	Asp	Leu	Ala	325	330	335	
His	Val	Met	Arg	Ile	Leu	Ser	Ala	Glu	Asn	Ile	Pro	Asn	Leu	Pro	Pro	340	345	350	

Gly Gly Gly Leu Ala Gly Xaa Arg Asn Val Ile Glu Ala Val Tyr Ser
 355 360 365

Arg Leu Asn Pro His Arg Glu Ser Asp Gly Gly Ala Gly Asp Leu Glu
 370 375 380

Asp Pro Trp
 385

<210> 179

<211> 145

<212> PRT

<213> Homo sapiens

<400> 179

Met Ala Phe Phe Thr Gly Leu Trp Gly Pro Phe Thr Cys Val Ser Arg
 1 5 10 15

Val Leu Ser His His Cys Phe Ser Thr Thr Gly Ser Leu Ser Ala Ile
 20 25 30

Gln Lys Met Thr Arg Val Arg Val Val Asp Asn Ser Ala Leu Gly Asn
 35 40 45

Ser Pro Tyr His Arg Ala Pro Arg Cys Ile His Val Tyr Lys Lys Asn
 50 55 60

Gly Val Gly Lys Val Gly Asp Gln Ile Leu Leu Ala Ile Lys Gly Gln
 65 70 75 80

Lys Lys Lys Ala Leu Ile Val Gly His Cys Met Pro Gly Pro Arg Met
 85 90 95

Thr Pro Arg Phe Asp Ser Asn Asn Val Val Leu Ile Glu Asp Asn Gly
 100 105 110

Asn Pro Val Gly Thr Arg Ile Lys Thr Pro Ile Pro Thr Ser Leu Arg
 115 120 125

Lys Arg Glu Gly Glu Tyr Ser Lys Val Leu Ala Ile Ala Gln Asn Phe
 130 135 140

Val
 145

<210> 180

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 180

Met	Phe	Phe	Ser	Leu	Pro	Gly	Leu	Trp	Gln	Ile	Ala	Ser	Phe	Thr	His
1				5					10					15	

Asn	Leu	Ile	Phe	His	Leu	Trp	Val	Trp	Gly	Ser	Glu	Ser	Gly	Glu	His
			20					25					30		

Leu	Gln	Ser	His	Asn	Asp	Pro	Asp	Thr	Arg	Gln	Gly	Gly	His	Ile	Pro
		35					40					45			

Ile	Arg	Leu	Leu	Gly	Glu	Ser	Ser	Ala	Ser	Val	Pro	Gly	Ser	Ser	Glu
	50					55					60				

Gly	His	Thr	Gly	Gly	Pro	Ala	Pro	Pro	Arg	Val	Gly	Gly	Ser	Ala	Gly
65					70					75					80

Ile	Ile	Arg	Thr	His	Val	Val	Phe	Leu	Val	Ser	Trp	Pro	Leu	Leu	Gln
				85					90					95	

Arg	Glu	Gln	His	Arg	Leu	Ser	Trp	Lys	Leu	Pro	Ser	Val	Met	Trp	Gly
			100					105					110		

Asp	Ser	Arg	Glu	Pro	His	Leu	Ala	Arg	Leu	Asp	Gln	Ser	Lys	Trp	Pro
		115					120					125			

Xaa	Ala	Thr	Xaa	Ala	Xaa	Gln	Tyr	Leu	Gly	Arg	Gly
130						135					140

<210> 181

<211> 127

<212> PRT

<213> Homo sapiens

<400> 181

Met	Val	Pro	Gly	Ala	Ala	Gly	Trp	Cys	Cys	Leu	Val	Leu	Trp	Leu	Pro
1				5					10					15	

Ala	Cys	Val	Ala	Ala	His	Gly	Phe	Arg	Ile	His	Asp	Tyr	Leu	Tyr	Phe
			20					25					30		

Gln	Val	Leu	Ser	Pro	Gly	Asp	Ile	Arg	Tyr	Ile	Phe	Thr	Ala	Thr	Pro
		35					40					45			

Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His
 50 55 60

Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly
 65 70 75 80

Phe Phe Ile Gln Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser
 85 90 95

Phe Leu Ser Lys Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val
 100 105 110

Ile Ile Ser Asp Asn Ala Leu Thr Met Thr Ala Ser Thr Trp Arg
 115 120 125

<210> 182

<211> 146

<212> PRT

<213> Homo sapiens

<400> 182

Met Gln Gln Ser Arg Leu Leu Leu Pro Phe Leu Phe Phe Leu Leu Glu
 1 5 10 15

Gly Cys Ala Pro Ser Ser Leu Gly Pro Gly Ala Ala Pro Gly Ser Gly
 20 25 30

His Ser Leu Gly Pro Pro Gly Ser Pro Gly Ala Pro Gly Pro Gln Pro
 35 40 45

Ala Val Gly Pro Ser Ser Pro Cys Gln Pro Gly Pro Ser Pro Ser Ser
 50 55 60

Pro Ala Ala Ala Ala Ala Ser Ser Gln Ser Ser Val Ala Ser Trp Pro
 65 70 75 80

Cys Thr Leu Arg Cys Ala Ala Pro Ser Pro Asp Ala Ser Ala Leu Arg
 85 90 95

Pro Ala Ala Ser Pro Ala Ala Thr Pro Ala Trp Ser Pro Gly Ser Gly
 100 105 110

Thr Ile Arg Val Leu Arg Pro Pro Ala Pro Ala Ala Ala Pro Ala Thr
 115 120 125

Ala Ile Thr Asn Arg Gly Pro Pro Arg Arg Arg Arg Arg Asn Ala Arg
 130 135 140

Thr Ala
 145

<210> 183

<211> 68
 <212> PRT
 <213> Homo sapiens

<400> 183
 Met Lys Pro Thr Arg Ser Leu Trp Ile Ser Phe Leu Met Cys Cys Trp
 1 5 10 15
 Ile Trp Phe Ala Asn Ile Leu Leu Arg Ile Phe Ala Ser Val Phe Phe
 20 25 30
 Arg Asp Ile Gly Leu Lys Phe Ser Phe Phe Cys Cys Val Ser Ala Arg
 35 40 45
 Leu Trp Tyr Gln Asp Asp Ala Gly Leu Ile Asn Glu Leu Gly Arg Ile
 50 55 60
 Pro Ser Phe Tyr
 65

<210> 184
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 184
 Met Thr Pro Val Phe Arg Ala Trp Gly Leu Trp Val Tyr Val Leu Pro
 1 5 10 15
 Thr Gly Phe Pro Gly Pro Cys Cys Met Met Leu Leu Glu Leu Phe Pro
 20 25 30
 Lys Glu Ser Val Pro Gln Ala Tyr Gln Gly Ile Leu Leu Tyr Leu His
 35 40 45
 Phe Gly Phe
 50

<210> 185
 <211> 85
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 185
 Met Gly Met Pro Leu Val Thr Val Thr Ala Ala Thr Phe Pro Thr Leu
 1 5 10 15
 Ser Cys Pro Pro Arg Ala Trp Pro Glu Val Glu Ala Pro Glu Ala Pro

<400> 186															
Met 1	Gly	Asp	His	Leu 5	Asp	Leu	Leu	Leu	Gly 10	Val	Val	Leu	Met	Ala	Gly
Pro Val Phe Gly Ile Pro Ser Cys Ser Phe Asp Gly Arg Ile Ala Phe															
20 25 30															
Tyr Arg Phe Cys Asn Leu Thr Gln Val Pro Gln Val Leu Asn Thr Thr															
35 40 45															
Glu Arg Leu Leu Leu Ser Phe Asn Tyr Ile Arg Thr Val Thr Ala Ser															
50 55 60															
Ser Phe Pro Phe Leu Glu Gln Leu Gln Leu Leu Glu Leu Gly Ser Gln															
65 70 75 80															
Tyr Thr Pro Leu Thr Ile Asp Lys Glu Ala Phe Arg Asn Leu Pro Asn															
85 90 95															
Leu Arg Ile Leu Asp Leu Gly Ser Ser Lys Ile Tyr Phe Leu His Pro															
100 105 110															
Asp Ala Phe Gln Gly Leu Phe His Leu Phe Glu Leu Arg Leu Tyr Phe															
115 120 125															
Cys Gly Leu Ser Asp Ala Val Leu Lys Asp Gly Tyr Phe Arg Asn Leu															
130 135 140															
Lys Ala Leu Thr Arg Leu Asp Leu Ser Lys Asn Gln Ile Arg Ser Leu															
145 150 155 160															
Tyr Leu His Pro Ser Phe Gly Lys Leu Asn Ser Leu Lys Ser Ile Asp															
165 170 175															
Phe Ser Ser Asn Gln Ile Phe Leu Val Cys Glu His Glu Leu Glu															

<210> 188
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 188
 Met Tyr Leu Glu Val Ala Val Arg Pro Phe Leu Ile Ile Val Ala Phe
 1 5 10 15
 Leu Gly Leu Ser Phe Leu Ala Leu Gln Met Pro Phe Trp Gln Gly Ser
 20 25 30
 Ala Val Gly His Leu Arg Ala Gly Gly Ala Gly Val Ala His Leu Ser
 35 40 45
 Gln Ala Gly Ile Ile Gln Ala Pro Val His Ser Gly Arg Glu Gly Gln
 50 55 60
 Pro Pro Pro Gly
 65

<210> 189
 <211> 211
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 189
 Met Gly Glu Ala Ser Pro Pro Ala Pro Ala Arg Arg His Leu Leu Val
 1 5 10 15
 Leu Leu Leu Leu Leu Ser Thr Leu Val Ile Pro Ser Ala Ala Ala Pro
 20 25 30
 Ile His Asp Ala Asp Ala Gln Glu Ser Ser Leu Gly Leu Thr Gly Leu
 35 40 45
 Gln Ser Leu Leu Gln Gly Phe Ser Arg Leu Phe Leu Lys Gly Asn Leu
 50 55 60
 Leu Arg Gly Ile Asp Ser Leu Phe Ser Ala Pro Met Asp Phe Arg Gly
 65 70 75 80
 Leu Pro Gly Asn Tyr His Lys Glu Glu Asn Gln Glu His Gln Leu Gly
 85 90 95

Asn Asn Thr Xaa Ser Ser Xaa Leu Gln Ile Asp Lys Val Pro Arg Met
 100 105 110

Glu Glu Lys Glu Ala Leu Val Pro Ile Gln Lys Ala Thr Asp Ser Phe
 115 120 125

His Thr Glu Leu His Pro Arg Val Ala Phe Trp Ile Ile Lys Leu Pro
 130 135 140

Arg Arg Arg Ser His Gln Asp Ala Leu Glu Gly Gly His Trp Leu Ser
 145 150 155 160

Glu Lys Arg His Arg Leu Gln Ala Ile Arg Asp Gly Leu Arg Lys Gly
 165 170 175

Thr His Lys Asp Val Leu Glu Glu Gly Thr Glu Ser Ser Ser His Ser
 180 185 190

Arg Leu Ser Pro Arg Lys Thr His Leu Leu Tyr Ile Leu Arg Pro Ser
 195 200 205

Arg Gln Leu
 210

<210> 190

<211> 90

<212> PRT

<213> Homo sapiens

<400> 190

Met Leu Val Val Ser Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn
 1 5 10 15

Ser Thr Glu Gly Ser Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu
 20 25 30

Val Asp Asp Ser Ser Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe
 35 40 45

Asn Asn Gly Ile His Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys
 50 55 60

Glu Lys Gly Arg Glu Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser
 65 70 75 80

Phe Gly Tyr Gly Thr Gly Leu Ile Gln Thr
 85 90

<210> 191

<211> 62

<212> PRT

<213> Homo sapiens

<400> 191

Met Glu Leu Met Ala Leu Phe Phe Arg Thr Thr Thr Val Ala Ala Met
 1 5 10 15

Ala Ser Arg Gly Ala Leu Ala Leu Phe Leu Arg Lys Ile Leu Ser Glu
 20 25 30

Ala Lys Phe Lys Leu Ser Leu Thr Pro Gln Pro Pro Gln Pro Phe Tyr
 35 40 45

Ile Tyr Met Ala Tyr Tyr Ser Glu Asn Phe Phe Leu Lys Phe
 50 55 60

<210> 192

<211> 295

<212> PRT

<213> Homo sapiens

<400> 192

Met Leu Cys Cys Trp Phe Pro Trp Arg Ile Leu Ala Ala Gly Gln Val
 1 5 10 15

Pro Tyr Ser Pro His Ser Pro Gln Val Ala Gly Cys Asp Leu Thr Arg
 20 25 30

Cys Glu Ser Gly Gly Ala Arg Ala Leu Ser Ile Gln Arg Ala Ala Leu
 35 40 45

Val Val Leu Glu Asn Tyr Tyr Lys Asp Phe Thr Ile Tyr Asn Pro Asn
 50 55 60

Leu Leu Thr Ala Ser Lys Phe Arg Ala Ala Lys His Met Ala Gly Leu
 65 70 75 80

Lys Val Tyr Asn Val Asp Gly Pro Ser Asn Asn Ala Thr Gly Gln Ser
 85 90 95

Arg Ala Met Ile Ala Ala Ala Ala Arg Arg Arg Asp Ser Ser His Asn
 100 105 110

Glu Leu Tyr Tyr Glu Glu Ala Glu His Glu Arg Arg Val Lys Lys Arg
 115 120 125

Lys Ala Arg Leu Val Val Ala Val Glu Glu Ala Phe Ile His Ile Gln
 130 135 140

Arg Leu Gln Ala Glu Glu Gln Gln Lys Ala Pro Gly Glu Val Met Asp
 145 150 155 160

Pro Arg Glu Ala Ala Gln Ala Ile Phe Pro Ser Met Ala Arg Ala Leu
 165 170 175

Gln Lys Tyr Leu Arg Ile Thr Arg Gln Gln Asn Tyr His Ser Met Glu

180					185					190					
Ser	Ile	Leu	Gln	His	Leu	Ala	Phe	Cys	Ile	Thr	Asn	Gly	Met	Thr	Pro
		195					200					205			
Lys	Ala	Phe	Leu	Glu	Arg	Tyr	Leu	Ser	Ala	Gly	Pro	Thr	Leu	Gln	Tyr
	210					215					220				
Asp	Lys	Asp	Arg	Trp	Leu	Ser	Thr	Gln	Trp	Arg	Leu	Val	Ser	Asp	Glu
225					230					235					240
Ala	Val	Thr	Asn	Gly	Leu	Arg	Asp	Gly	Ile	Val	Phe	Val	Leu	Lys	Cys
				245					250					255	
Leu	Asp	Phe	Ser	Leu	Val	Val	Asn	Val	Lys	Lys	Ile	Pro	Phe	Ile	Ile
			260					265					270		
Leu	Ser	Glu	Glu	Phe	Ile	Asp	Pro	Lys	Ser	His	Lys	Phe	Val	Leu	Arg
		275					280					285			
Leu	Gln	Ser	Glu	Thr	Ser	Val									
	290					295									
<210> 193															
<211> 295															
<212> PRT															
<213> Homo sapiens															
<400> 193															
Met	Gly	Leu	Pro	Val	Ser	Trp	Ala	Pro	Pro	Ala	Leu	Trp	Val	Leu	Gly
1				5					10					15	
Cys	Cys	Ala	Leu	Leu	Leu	Ser	Leu	Trp	Ala	Leu	Cys	Thr	Ala	Cys	Arg
			20					25					30		
Arg	Pro	Glu	Asp	Ala	Val	Ala	Pro	Arg	Lys	Arg	Ala	Arg	Arg	Gln	Arg
		35					40					45			
Ala	Arg	Leu	Gln	Gly	Ser	Ala	Thr	Ala	Ala	Glu	Ala	Ser	Leu	Leu	Arg
	50					55					60				
Arg	Thr	His	Leu	Cys	Ser	Leu	Ser	Lys	Ser	Asp	Thr	Arg	Leu	His	Glu
65					70					75					80
Leu	His	Arg	Gly	Pro	Arg	Ser	Ser	Arg	Ala	Leu	Arg	Pro	Ala	Ser	Met
				85					90					95	
Asp	Leu	Leu	Arg	Pro	His	Trp	Leu	Glu	Val	Ser	Arg	Asp	Ile	Thr	Gly
			100					105					110		
Pro	Gln	Ala	Ala	Pro	Ser	Ala	Phe	Pro	His	Gln	Glu	Leu	Pro	Arg	Ala
		115					120					125			
Leu	Pro	Ala	Ala	Ala	Ala	Thr	Ala	Gly	Cys	Ala	Gly	Leu	Glu	Ala	Thr

130					135					140					
Tyr	Ser	Asn	Val	Gly	Leu	Ala	Ala	Leu	Pro	Gly	Val	Ser	Leu	Ala	Ala
145					150					155					160
Ser	Pro	Val	Val	Ala	Glu	Tyr	Ala	Arg	Val	Gln	Lys	Arg	Lys	Gly	Thr
				165					170					175	
His	Arg	Ser	Pro	Gln	Glu	Pro	Gln	Gln	Gly	Lys	Thr	Glu	Val	Thr	Pro
			180					185						190	
Ala	Ala	Gln	Val	Asp	Val	Leu	Tyr	Ser	Arg	Val	Cys	Lys	Pro	Lys	Arg
		195					200					205			
Arg	Asp	Pro	Gly	Pro	Thr	Thr	Asp	Pro	Leu	Asp	Pro	Lys	Gly	Gln	Gly
	210					215					220				
Ala	Ile	Leu	Ala	Leu	Ala	Gly	Asp	Leu	Ala	Tyr	Gln	Thr	Leu	Pro	Leu
225					230					235					240
Arg	Ala	Leu	Asp	Val	Asp	Ser	Gly	Pro	Leu	Glu	Asn	Val	Tyr	Glu	Ser
			245						250					255	
Ile	Arg	Glu	Leu	Gly	Asp	Pro	Ala	Gly	Arg	Ser	Ser	Thr	Cys	Gly	Ala
			260					265						270	
Gly	Thr	Pro	Pro	Ala	Ser	Ser	Cys	Pro	Ser	Leu	Gly	Arg	Gly	Trp	Arg
		275					280					285			
Pro	Leu	Pro	Ala	Ser	Leu	Pro									
	290					295									

<210> 194

<211> 338

<212> PRT

<213> Homo sapiens

<400> 194

Met	Met	Arg	Thr	Cys	Val	Leu	Leu	Ser	Ala	Val	Leu	Trp	Cys	Leu	Thr
1				5					10					15	
Gly	Val	Gln	Cys	Pro	Arg	Phe	Thr	Leu	Phe	Asn	Lys	Lys	Gly	Phe	Ile
		20						25					30		
Tyr	Gly	Lys	Thr	Gly	Gln	Pro	Asp	Lys	Ile	Tyr	Val	Glu	Leu	His	Gln
		35					40					45			
Asn	Ser	Pro	Val	Leu	Ile	Cys	Met	Asp	Phe	Lys	Leu	Ser	Lys	Lys	Glu
		50				55					60				
Ile	Val	Asp	Pro	Thr	Tyr	Leu	Trp	Ile	Gly	Pro	Asn	Glu	Lys	Thr	Leu
65					70					75					80
Thr	Gly	Asn	Asn	Arg	Ile	Asn	Ile	Thr	Glu	Thr	Gly	Gln	Leu	Met	Val

					85						90						95	
Lys	Asp	Phe	Leu	Glu	Pro	Leu	Ser	Gly	Leu	Tyr	Thr	Cys	Thr	Leu	Ser			
			100					105					110					
Tyr	Lys	Thr	Val	Lys	Ala	Glu	Thr	Gln	Glu	Glu	Lys	Thr	Val	Lys	Lys			
		115					120					125						
Arg	Tyr	Asp	Phe	Met	Val	Phe	Ala	Tyr	Arg	Glu	Pro	Asp	Tyr	Ser	Tyr			
	130					135					140							
Gln	Met	Ala	Val	Arg	Phe	Thr	Thr	Arg	Ser	Cys	Ile	Gly	Arg	Tyr	Asn			
145					150					155					160			
Asp	Val	Phe	Phe	Arg	Val	Leu	Lys	Lys	Ile	Leu	Asp	Ile	Leu	Ile	Ser			
				165					170					175				
Asp	Leu	Ser	Cys	His	Val	Ile	Glu	Pro	Ser	Tyr	Lys	Cys	His	Ser	Val			
			180					185					190					
Glu	Ile	Pro	Glu	His	Gly	Leu	Ile	His	Glu	Leu	Phe	Ile	Ala	Phe	Gln			
	195					200						205						
Val	Asn	Pro	Phe	Ala	Pro	Gly	Trp	Lys	Gly	Ala	Cys	Asn	Gly	Ser	Val			
	210					215					220							
Asp	Cys	Glu	Asp	Thr	Thr	Asn	His	Asn	Ile	Leu	Gln	Ala	Arg	Asp	Arg			
225					230					235					240			
Ile	Glu	Asp	Phe	Phe	Arg	Ser	Gln	Ala	Tyr	Ile	Phe	Tyr	His	Asn	Phe			
			245					250						255				
Asn	Lys	Thr	Leu	Pro	Ala	Met	His	Phe	Val	Asp	His	Ser	Leu	Gln	Val			
			260					265					270					
Val	Arg	Leu	Asp	Ser	Cys	Arg	Pro	Gly	Phe	Gly	Lys	Asn	Glu	Arg	Leu			
	275						280					285						
His	Ser	Asn	Cys	Ala	Ser	Cys	Cys	Val	Val	Cys	Ser	Pro	Ala	Thr	Phe			
	290					295					300							
Ser	Pro	Asp	Val	Asn	Val	Thr	Cys	Gln	Thr	Cys	Val	Ser	Val	Leu	Thr			
305					310					315					320			
Tyr	Gly	Ala	Lys	Ser	Cys	Pro	Gln	Thr	Ser	Asn	Lys	Asn	Gln	Gln	Tyr			
				325					330					335				
Glu	Asp																	

<210> 195

<211> 78

<212> PRT

<213> Homo sapiens

<400> 195

Met Gln Gln Arg Gly Ala Ala Gly Ser Arg Gly Cys Ala Leu Phe Pro
 1 5 10 15
 Leu Leu Gly Val Leu Phe Phe Gln Val Ser Ala Pro Ala Gly Tyr Ala
 20 25 30
 Pro Leu Pro Ala Gly Gly Leu Gly Lys Met Val Ala Phe Pro Val Pro
 35 40 45
 Gly Arg Gly Val Ser Arg Lys Pro Pro His Ser Ser Gly Lys Glu Gly
 50 55 60
 Gly Arg Glu Arg Asp Val Gly Thr Met Ser Ser Pro Pro Arg
 65 70 75

<210> 196

<211> 181

<212> PRT

<213> Homo sapiens

<400> 196

Met Met Leu Met Pro Tyr Gly Ala Leu Ile Ile Gly Phe Val Cys Gly
 1 5 10 15
 Ile Ile Ser Thr Leu Gly Phe Val Tyr Leu Thr Pro Phe Leu Glu Ser
 20 25 30
 Arg Leu His Ile Gln Asp Thr Cys Gly Ile Asn Asn Leu His Gly Ile
 35 40 45
 Pro Gly Ile Ile Gly Gly Ile Val Gly Ala Val Thr Ala Ala Ser Ala
 50 55 60
 Ser Leu Glu Val Tyr Gly Lys Glu Gly Leu Val His Ser Phe Asp Phe
 65 70 75 80
 Gln Gly Phe Asn Gly Asp Trp Thr Ala Arg Thr Gln Gly Lys Phe Gln
 85 90 95
 Ile Tyr Gly Leu Leu Val Thr Leu Ala Met Ala Leu Met Gly Gly Ile
 100 105 110
 Ile Val Gly Leu Ile Leu Arg Leu Pro Phe Trp Gly Gln Pro Ser Asp
 115 120 125
 Glu Asn Cys Phe Glu Asp Ala Val Tyr Trp Glu Met Pro Glu Gly Asn
 130 135 140
 Ser Thr Val Tyr Ile Pro Glu Asp Pro Thr Phe Lys Pro Ser Gly Pro
 145 150 155 160
 Ser Val Pro Ser Val Pro Met Val Ser Pro Leu Pro Met Ala Ser Ser

165 170 175
 Val Pro Leu Val Pro
 180

<210> 197
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 197
 Met Leu Ser Leu Asp Phe Leu Asp Asp Val Arg Arg Met Asn Lys Arg
 1 5 10 15
 Gln Val Ser Leu Ser Val Leu Phe Phe Ser Trp Leu Phe Leu Ser Leu
 20 25 30
 Arg Gly Cys Cys Cys Gly Ala Arg Arg Thr Pro Gly Phe Trp Cys Glu
 35 40 45
 Gly Leu Ser Trp Ser Asp Thr Arg Val Ile Arg Phe Leu Trp Arg Leu
 50 55 60
 Trp Pro Glu Ala Ala Leu Ser Ala Ser Leu Phe Leu Thr Pro Asn
 65 70 75

<210> 198
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 198
 Met Glu Pro Arg Ser Phe Leu Leu Pro Glu Leu Gly Gly Arg Val Ser
 1 5 10 15
 His Ile Pro Leu Gly Leu Thr Leu Val Phe Ala Cys Phe Leu Met Val
 20 25 30
 Arg Glu Thr Ala Gly Gly Phe Ser Phe Arg Ala Gly Asp Leu Glu Glu
 35 40 45
 Ile Ser Arg Lys Arg Thr Asn Val Leu Gly Ser Leu Arg Gly Thr Glu
 50 55 60
 Leu Ile Gly Tyr Ile
 65

<210> 199
 <211> 271
 <212> PRT
 <213> Homo sapiens

<400> 199

Met	Thr	Gln	Gly	Lys	Leu	Ser	Val	Ala	Asn	Lys	Ala	Pro	Gly	Thr	Glu
1				5					10					15	
Gly	Gln	Gln	Gln	Val	His	Gly	Glu	Lys	Lys	Glu	Ala	Pro	Ala	Val	Pro
			20					25					30		
Ser	Ala	Pro	Pro	Ser	Tyr	Glu	Glu	Ala	Thr	Ser	Gly	Glu	Gly	Met	Lys
		35					40					45			
Ala	Gly	Ala	Phe	Pro	Pro	Ala	Pro	Thr	Ala	Val	Pro	Leu	His	Pro	Ser
	50					55					60				
Trp	Ala	Tyr	Val	Asp	Pro	Ser	Ser	Ser	Ser	Ser	Tyr	Asp	Asn	Gly	Phe
65					70					75					80
Pro	Thr	Gly	Asp	His	Glu	Leu	Phe	Thr	Thr	Phe	Ser	Trp	Asp	Asp	Gln
				85					90					95	
Lys	Val	Arg	Arg	Val	Phe	Val	Arg	Lys	Val	Tyr	Thr	Ile	Leu	Leu	Ile
		100						105					110		
Gln	Leu	Leu	Val	Thr	Leu	Ala	Val	Val	Ala	Leu	Phe	Thr	Phe	Cys	Asp
	115						120					125			
Pro	Val	Lys	Asp	Tyr	Val	Gln	Ala	Asn	Pro	Gly	Trp	Tyr	Trp	Ala	Ser
	130					135					140				
Tyr	Ala	Val	Phe	Phe	Ala	Thr	Tyr	Leu	Thr	Leu	Ala	Cys	Cys	Ser	Gly
145					150					155					160
Pro	Arg	Arg	His	Phe	Pro	Trp	Glu	Pro	Asp	Ser	Pro	Asp	Arg	Leu	Tyr
			165						170					175	
Pro	Val	His	Gly	Leu	Pro	His	Trp	Asp	Ala	Val	Gln	Leu	Leu	Gln	His
		180						185				190			
His	Leu	Arg	Ala	Ala	Val	Pro	Gly	His	His	Gly	Pro	Cys	Leu	Pro	Leu
	195						200					205			
Ser	His	Arg	Leu	Gln	Leu	Pro	Asp	Gln	Val	Arg	Leu	His	Leu	Leu	Pro
	210					215					220				
Gly	Arg	Ala	Leu	Arg	Ala	Ser	His	Asp	Ser	Phe	Leu	Gln	Arg	Thr	His
225					230					235					240
Pro	Gly	His	Pro	Pro	Thr	Leu	Pro	Ile	Cys	Ala	Leu	Ala	Pro	Cys	Ser
				245					250					255	
Leu	Cys	Ser	Thr	Gly	Ser	Gly	Cys	Ile	Tyr	Ile	Val	Pro	Gly	Thr	
			260				265						270		

<210> 200

<211> 51

<212> PRT

<213> Homo sapiens

<400> 200

Met Lys Cys Thr Ala Val Phe Ala Pro Ser Ala Trp Pro Asn Thr Leu
 1 5 10 15

Ser Leu Leu Val Ser Leu His Thr Val Met Cys Ile Asn Trp His Leu
 20 25 30

Val Ser Ala Ser His Met His Ile Gly Arg Ile Val Ile Leu Glu Gly
 35 40 45

Asp Gly Met
 50

<210> 201

<211> 71

<212> PRT

<213> Homo sapiens

<400> 201

Met Pro Asn Thr Phe His Thr Tyr Arg Pro Ile Leu Leu Leu Leu Leu
 1 5 10 15

Leu Pro Ser Ser Ser His Gln Asn Met Ile Val Ser Leu Pro Gln Asn
 20 25 30

Met Tyr Phe Leu Ile Ala Val Ala Lys Arg Leu Cys Ala Glu Ser Leu
 35 40 45

Ala Ser Asp Pro Ala Pro Cys Asn Leu Ser Ala Leu Gln Ala Lys Pro
 50 55 60

Arg Pro Arg Leu Arg His Tyr
 65 70

<210> 202

<211> 60

<212> PRT

<213> Homo sapiens

<400> 202

Met Leu Tyr Trp Gly Asn Val Ala Leu Val Leu Pro Thr Pro Tyr Leu
 1 5 10 15

His Leu Ser Leu Thr Leu Leu Leu Ser Pro Glu Trp Leu Gly Glu Met
 20 25 30

Gly Arg Gly Leu Pro Trp Pro Gly His Leu Val Ala Ala Trp Leu Asp
 35 40 45

His Ile Ala Asn Glu Leu Gly Arg Gly Ala Ile Phe

50

55

60

<210> 203

<211> 143

<212> PRT

<213> Homo sapiens

<400> 203

Met Lys Trp Glu Arg Gly Ser Pro Met Val Leu Leu Ala Leu Val Tyr
 1 5 10 15

Asp Val Cys Cys Ala Ser Arg Arg Gly Gly Gln Ser His Pro Thr Ser
 20 25 30

Gly Ser Asp Val Leu Pro Leu Pro Val Pro Ala Leu Ala Gln Pro Ala
 35 40 45

Gln Pro Ser Arg Leu Asp Ala Cys Ala Lys Ala Arg Gly Ser Gln Arg
 50 55 60

Ala Ala Gly Trp Pro Arg Ala Gly Ser Arg Leu Gly Pro Ala Val Gly
 65 70 75 80

Arg Ala Ala Ser Pro Ser Ser Leu Gln Thr His Gly Ser Ser Ser Gln
 85 90 95

Ser Ser Arg Gln Leu Pro Gly Pro Glu Met Ser Ser Ser Pro Pro Trp
 100 105 110

Gly Gln Ala Leu Pro Trp Pro Ser Ser Val Asn Pro Ser Phe Leu Cys
 115 120 125

Ala Val Ser Gly Leu Leu Thr Val Val Cys Val Cys Ala Arg Leu
 130 135 140

<210> 204

<211> 148

<212> PRT

<213> Homo sapiens

<400> 204

Met Gln Phe Ile Leu Thr Gly Ile Thr Leu Ser Gly Tyr Leu Phe Thr
 1 5 10 15

Phe Ser Ala Cys Ala Val Leu Ser Ala Ser Ile Thr Val Trp Gly Leu
 20 25 30

Met Glu Cys Leu Ile His Arg His Gly Ser His Thr Thr Glu His Leu
 35 40 45

Thr Arg Thr Leu Thr Ser Gln Gln Ser Ser Arg Gly His Leu Ser Leu
 50 55 60

Ser His Ser Thr Thr Gln Ser Asn Gln Pro Glu Arg Thr Leu Ala Leu
65 70 75 80

Leu Thr Gly Gly Thr Ala Asp Leu Ser Val Trp Arg Gln His Ser Pro
85 90 95

Lys Met Gly Ala Ile Phe Gln Asp Ala Val Phe Ala Leu Asp Ser Gln
100 105 110

Ala Tyr Leu Trp Gly Ile Val Ser Asn Arg Glu Asn Ile Trp Val Leu
115 120 125

Glu Gln Trp Pro Pro Pro Lys Gly Phe His Ser Cys Gln Glu Thr Pro
130 135 140

Gln Glu Ser His
145

<210> 205

<211> 36

<212> PRT

<213> Homo sapiens

<400> 205

Met Trp Thr Cys Pro Gly Ile Ala Ala Leu Val Leu Met Ile Val Pro
1 5 10 15

Gly Cys Ser Leu Cys Pro Ala Gln Val Val His His Val Gly Gln Arg
20 25 30

Glu Ser Pro Ser
35

<210> 206

<211> 406

<212> PRT

<213> Homo sapiens

<400> 206

Met Ser Gly Ala Pro Thr Ala Gly Ala Ala Leu Met Leu Cys Ala Ala
1 5 10 15

Thr Ala Val Leu Leu Ser Ala Gln Gly Gly Pro Val Gln Ser Lys Ser
20 25 30

Pro Arg Phe Ala Ser Trp Asp Glu Met Asn Val Leu Ala His Gly Leu
35 40 45

Leu Gln Leu Gly Gln Gly Leu Arg Glu His Ala Glu Arg Thr Arg Ser
50 55 60

Gln Leu Ser Ala Leu Glu Arg Arg Leu Ser Ala Cys Gly Ser Ala Cys
65 70 75 80

Gln	Gly	Thr	Glu	Gly	Ser	Thr	Asp	Leu	Pro	Leu	Ala	Pro	Glu	Ser	Arg	85	90	95
Val	Asp	Pro	Glu	Val	Leu	His	Ser	Leu	Gln	Thr	Gln	Leu	Lys	Ala	Gln	100	105	110
Asn	Ser	Arg	Ile	Gln	Gln	Leu	Phe	His	Lys	Val	Ala	Gln	Gln	Gln	Arg	115	120	125
His	Leu	Glu	Lys	Gln	His	Leu	Arg	Ile	Gln	His	Leu	Gln	Ser	Gln	Phe	130	135	140
Gly	Leu	Leu	Asp	His	Lys	His	Leu	Asp	His	Glu	Val	Ala	Lys	Pro	Ala	145	150	155
Arg	Arg	Lys	Arg	Leu	Pro	Glu	Met	Ala	Gln	Pro	Val	Asp	Pro	Ala	His	165	170	175
Asn	Val	Ser	Arg	Leu	His	Arg	Leu	Pro	Arg	Asp	Cys	Gln	Glu	Leu	Phe	180	185	190
Gln	Val	Gly	Glu	Arg	Gln	Ser	Gly	Leu	Phe	Glu	Ile	Gln	Pro	Gln	Gly	195	200	205
Ser	Pro	Pro	Phe	Leu	Val	Asn	Cys	Lys	Met	Thr	Ser	Asp	Gly	Gly	Trp	210	215	220
Thr	Val	Ile	Gln	Arg	Arg	His	Asp	Gly	Ser	Val	Asp	Phe	Asn	Arg	Pro	225	230	235
Trp	Glu	Ala	Tyr	Lys	Ala	Gly	Phe	Gly	Asp	Pro	His	Gly	Glu	Phe	Trp	245	250	255
Leu	Gly	Leu	Glu	Lys	Val	His	Ser	Ile	Thr	Gly	Asp	Arg	Asn	Ser	Arg	260	265	270
Leu	Ala	Val	Gln	Leu	Arg	Asp	Trp	Asp	Gly	Asn	Ala	Glu	Leu	Leu	Gln	275	280	285
Phe	Ser	Val	His	Leu	Gly	Gly	Glu	Asp	Thr	Ala	Tyr	Ser	Leu	Gln	Leu	290	295	300
Thr	Ala	Pro	Val	Ala	Gly	Gln	Leu	Gly	Ala	Thr	Thr	Val	Pro	Pro	Ser	305	310	315
Gly	Leu	Ser	Val	Pro	Phe	Ser	Thr	Trp	Asp	Gln	Asp	His	Asp	Leu	Arg	325	330	335
Arg	Asp	Lys	Asn	Cys	Ala	Lys	Ser	Leu	Ser	Gly	Gly	Trp	Trp	Phe	Gly	340	345	350
Thr	Cys	Ser	His	Ser	Asn	Leu	Asn	Gly	Gln	Tyr	Phe	Arg	Ser	Ile	Pro	355	360	365

Gln Gln Arg Gln Lys Leu Lys Lys Gly Ile Phe Trp Lys Thr Trp Arg
 370 375 380

Gly Arg Tyr Tyr Pro Leu Gln Ala Thr Thr Met Leu Ile Gln Pro Met
 385 390 395 400

Ala Ala Glu Ala Ala Ser
 405

<210> 207

<211> 91

<212> PRT

<213> Homo sapiens

<400> 207

Met Glu Lys Thr Leu Phe Leu Tyr His Tyr Leu Pro Ala Leu Thr Phe
 1 5 10 15

Gln Ile Leu Leu Leu Pro Val Val Leu Gln His Ile Ser Asp His Leu
 20 25 30

Cys Arg Ser Gln Leu Gln Arg Ser Ile Phe Ser Ala Leu Val Val Ala
 35 40 45

Trp Tyr Ser Ser Ala Cys His Val Ser Asn Thr Leu Arg Pro Leu Thr
 50 55 60

Tyr Gly Asp Lys Ser Leu Ser Pro His Glu Leu Lys Ala Leu Arg Trp
 65 70 75 80

Lys Asp Ser Trp Asp Ile Leu Ile Arg Lys His
 85 90

<210> 208

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 208

Met Leu Leu Phe Gly Leu Cys Trp Gly Pro Tyr Val Ala Thr Leu Leu
 1 5 10 15

Leu Ser Val Leu Ala Tyr Xaa Gln Arg Pro Pro Leu Xaa Pro Gly Thr

	20		25		30	
Leu	Leu	Ser	Leu	Leu	Ser	Leu
	35		40		45	
Val	Ala	Met	Gly	Leu	Gly	Asp
	50		55		60	
Ala	Ala	Gln	Arg	Cys	Leu	Gln
	65		70		75	
Ser	Pro	Gly	Pro	Ser	Ile	Ala
			85		90	
Asp	Leu	Asp	Leu	Asn		
			100			

<210> 209
 <211> 50
 <212> PRT
 <213> Homo sapiens

	<400> 209
Met	Ser
1	5
	10
	15
Cys	Gly
	20
	25
	30
Arg	Ile
	35
	40
	45
Ile	Phe
	50

<210> 210
 <211> 161
 <212> PRT
 <213> Homo sapiens

	<400> 210
Met	Thr
1	5
	10
	15
Leu	Leu
	20
	25
	30
Gly	His
	35
	40
	45
Lys	Leu
	50
	55
	60

Val Phe Gln Val Leu Pro Lys Cys Leu Ser Pro Glu Thr Pro Leu Pro
 65 70 75 80
 Ser Val Leu Leu Ala Val Glu Leu Leu Ser Leu Leu Ala Asp His Asp
 85 90 95
 Gln Leu Ala Pro Gln Leu Cys Ser His Ser Glu Gly Cys Leu Leu Leu
 100 105 110
 Leu Leu Tyr Met Tyr Ile Thr Ser Arg Pro Asp Arg Val Ala Leu Glu
 115 120 125
 Thr Gln Trp Leu Gln Leu Glu Gln Glu Val Val Trp Leu Leu Ala Lys
 130 135 140
 Leu Gly Val Gln Glu Pro Leu Ala Pro Ser His Trp Leu Gln Leu Pro
 145 150 155 160
 Val

<210> 211

<211> 227

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 211

Met Leu Gly Leu Leu Leu Cys Thr Pro Arg Ala Trp Leu Thr Leu
 1 5 10 15

Ser Gly Pro Val Cys Phe Gln Gly Arg Gly Pro Ser Glu Val Pro Gln
 20 25 30

Arg Pro Pro Gln Leu Trp Val Val Ser Ile Ser Val Leu Gln Gly Gln
 35 40 45

His Arg Gly Arg Ala Gly Pro Arg Asp Glu Gln Glu Arg Gly Arg Asp
 50 55 60

Gln His Xaa Leu Pro Ala His Gly Arg Leu His Leu Ser Pro Arg Pro
 65 70 75 80

Glu Pro Gly Cys Arg Pro Ala Cys Ala Ala Pro Gly Gly Gln Pro Gly
 85 90 95

Val Val Ser Gly Leu Pro Ala Leu Gly Gln Pro Arg Glu Ala Ser Ala
 100 105 110
 Pro Cys His Ile Ser Arg Leu Arg Thr Ala Ser Leu Ala Val Val Met
 115 120 125
 Gly Ala Glu Lys Gly Gly Ala Glu Met Arg Pro Trp Pro Ala Val Gln
 130 135 140
 Ala Pro Ala Pro Leu Pro Ser Val Gly Gly Thr Pro Ile Cys Ala Pro
 145 150 155 160
 Gly Cys Gly Ser Lys Asp Thr Val Pro Xaa Leu Gln Pro Ser Val Pro
 165 170 175
 Lys Gly Arg Ala Glu Ser Gly Phe Val Ser Ala Arg Phe Leu Cys Pro
 180 185 190
 His Pro Pro Arg Ser Leu Leu Cys Leu Gly Pro Gly Pro Ser Leu Ser
 195 200 205
 Gly Leu Pro Gly Pro Pro Ile Pro Ala Leu Leu Gln Gly Pro Leu Gly
 210 215 220
 Leu Gly Cys
 225

<210> 212
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 212
 Met Leu Thr Leu Arg Ser Leu Leu Phe Trp Ser Leu Val Tyr Cys Tyr
 1 5 10 15
 Cys Gly Leu Cys Ala Ser Ile His Leu Leu Lys Leu Leu Trp Ser Leu
 20 25 30
 Gly Lys Gly Pro Ala Gln Thr Phe Arg Arg Pro Ala Arg Glu His Pro
 35 40 45
 Pro Ala Cys Leu Ser Asp Pro Ser Leu Gly Thr His Cys Tyr Val Arg
 50 55 60
 Ile Lys Asp Ser Gly Leu Arg Phe His Tyr Val Ala Ala Gly Glu Arg
 65 70 75 80
 Gly Lys Pro Leu Met Leu Leu Leu His Gly Phe Pro Glu Phe Trp Tyr
 85 90 95
 Ser Trp Arg Tyr Gln Leu Arg Glu Phe Lys Ser Glu Tyr Arg Val Val
 100 105 110

Ala	Leu	Asp	Leu	Arg	Gly	Tyr	Gly	Glu	Thr	Asp	Ala	Pro	Ile	His	Arg
	115						120					125			
Gln	Asn	Tyr	Lys	Leu	Asp	Cys	Leu	Ile	Thr	Asp	Ile	Lys	Asp	Ile	Leu
	130					135					140				
Asp	Ser	Leu	Gly	Tyr	Ser	Lys	Cys	Val	Leu	Ile	Gly	His	Asp	Trp	Gly
145					150					155					160
Gly	Met	Ile	Ala	Trp	Leu	Ile	Ala	Ile	Cys	Tyr	Pro	Glu	Met	Val	Met
				165					170					175	
Lys	Leu	Ile	Val	Ile	Asn	Phe	Pro	His	Pro	Asn	Val	Phe	Thr	Glu	Tyr
			180					185					190		
Ile	Leu	Arg	His	Pro	Ala	Gln	Leu	Leu	Lys	Ser	Ser	Tyr	Tyr	Tyr	Phe
	195						200					205			
Phe	Gln	Ile	Pro	Trp	Phe	Pro	Glu	Phe	Met	Phe	Ser	Ile	Asn	Asp	Phe
	210					215					220				
Lys	Val	Leu	Lys	His	Leu	Phe	Thr	Ser	His	Ser	Thr	Gly	Ile	Gly	Arg
225					230					235					240
Lys	Gly	Cys	Gln	Leu	Thr	Thr	Glu	Asp	Leu	Glu	Ala	Tyr	Ile	Tyr	Val
			245						250					255	
Phe	Ser	Gln	Pro	Gly	Ala	Leu	Ser	Gly	Pro	Ile	Asn	His	Tyr	Arg	Asn
		260						265					270		
Ile	Phe	Ser	Cys	Leu	Pro	Leu	Lys	His	His	Met	Val	Thr	Thr	Pro	Thr
		275					280					285			
Leu	Leu	Leu	Trp	Gly	Glu	Asn	Asp	Ala	Phe	Met	Glu	Val	Glu	Met	Ala
	290					295					300				
Glu	Val	Thr	Lys	Ile	Tyr	Val	Lys	Asn	Tyr	Phe	Arg	Leu	Thr	Ile	Leu
305					310					315					320
Ser	Glu	Ala	Ser	His	Trp	Leu	Gln	Gln	Asp	Gln	Pro	Asp	Ile	Val	Asn
			325						330					335	
Lys	Leu	Ile	Trp	Thr	Phe	Leu	Lys	Glu	Glu	Thr	Arg	Lys	Lys	Asp	
		340						345					350		

<210> 213

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 213

Met	Gly	His	Leu	Pro	His	Ile	Leu	Ser	Leu	Gly	Leu	Phe	Leu	Thr	Leu
1				5					10					15	

Leu	Met	Phe	Cys	Ile	Thr	Lys	Ser	Asp	Gly	Gln	Asn	Lys	Ile	Tyr	Arg
			20					25					30		

Cys	Phe	Lys	Lys	Ala	Ser	Pro	Gln	Val	Ile	Val	Thr	His	Thr	Lys	Met
		35					40					45			

Arg	Ile	Ala	Ala	Ile	Ile	Cys	Ser	Tyr	Trp	Xaa	Gly	Xaa	Ala	Asn	Leu
	50					55					60				

Gly	Thr	Arg	Ile	Lys	Leu	Gln	Leu	Asn	Ser	Ala	Val	Tyr	Lys	Ile	Phe
65					70					75					80

Val	Ser	Leu	Xaa	Arg	Lys	Arg	Lys	Arg	Thr	Leu	Ser	Trp
				85					90			

<210> 214

<211> 101

<212> PRT

<213> Homo sapiens

<400> 214

Met	Phe	Gln	Gln	Gly	Trp	Ser	Ser	Pro	Leu	Leu	Thr	Pro	Ala	Phe	Thr
1				5					10					15	

Ile	Leu	Pro	Met	Ser	Ser	Leu	Leu	Thr	Ser	Leu	His	Pro	Ala	Pro	Arg
			20					25					30		

Leu	Pro	Thr	Leu	Leu	Ala	Ala	Ser	Ser	Pro	Gln	Leu	Ala	Pro	Leu	Thr
		35					40					45			

Cys	Cys	Phe	Gln	Tyr	Pro	Phe	Leu	Leu	Ser	Ala	Ser	Ser	Leu	Gly	Asp
		50				55					60				

Ile	His	Pro	Ser	Ser	Arg	Asp	Phe	Ser	Cys	His	Ile	Asn	Ser	Asn	Val
65					70					75					80

Ser	Glu	Leu	Tyr	Phe	Leu	Pro	Pro	Thr	Ser	Val	Ser	Leu	Asn	Val	Arg
				85					90					95	

Ile Phe Tyr Phe Gln
100

<210> 215
<211> 98
<212> PRT
<213> Homo sapiens

<400> 215
Met Gly Trp Leu Gly Arg Thr Cys Leu Ala His Ser His Leu Asp Phe
1 5 10 15
Ile Ser Gly Ala Leu Leu Leu Thr Phe Ala Tyr Phe Leu Val Phe Gln
20 25 30
Val Cys Pro Val Ile Asn Lys Trp Leu Tyr Asn Leu Asp Gln His Val
35 40 45
Val Lys Glu Leu Ile Ser Lys Cys Trp Arg Trp Glu Gly Thr Gly Thr
50 55 60
Leu Gln Lys Lys Ala Gln Asn Pro Pro Ser Pro Phe Val Phe His Phe
65 70 75 80
Pro Leu Pro His Ser Gly Thr Ser Pro Arg Pro Lys Ile Ser Phe Leu
85 90 95
Leu Lys

<210> 216
<211> 81
<212> PRT
<213> Homo sapiens

<400> 216
Met Trp Gly Gly Ser Val Phe Leu Lys Pro Lys Leu Leu Gln Ala Gly
1 5 10 15
Gly Phe Leu His Phe Leu Phe Val Leu Phe Leu Thr Ala Asp Ser Val
20 25 30
His Leu Ser Val Gly Gly Glu Leu Leu Leu Arg Thr Gly Phe Lys Arg
35 40 45
His Ile Pro Val Thr Phe Lys Asn Leu His Gly Gly Arg Ser Phe Ser
50 55 60
Arg Ser Val Gly Trp Ser Thr Leu Gly Pro Thr Thr Leu Arg Arg Gly
65 70 75 80
Arg

<210> 217
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 217
 Met Phe His Gln Ile Trp Ala Ala Leu Leu Tyr Phe Tyr Gly Ile Ile
 1 5 10 15
 Leu Asn Ser Ile Tyr Gln Cys Pro Glu His Ser Gln Leu Thr Thr Leu
 20 25 30
 Gly Val Asp Gly Lys Glu Phe Pro Glu Val His Leu Gly Gln Trp Tyr
 35 40 45
 Phe Ile Ala Gly Ala Ala Pro Thr Lys Glu Glu Leu Ala Thr Phe Asp
 50 55 60
 Pro Val Asp Asn Ile Val Phe Asn Met Ala Ala Gly Ser Ala Pro Met
 65 70 75 80
 Gln Leu His Leu Arg Ala Thr Ile Arg Met Lys Asp Gly Leu Cys Val
 85 90 95
 Pro Arg Lys Trp Ile Tyr His Leu Thr Glu Gly Ser Thr Asp Leu Arg
 100 105 110
 Thr Glu Gly Arg Pro Asp Met Lys Thr Glu Leu Phe Ser Ser Ser Cys
 115 120 125
 Pro Gly Gly Ile Met Leu Asn Glu Thr Gly Gln Gly Tyr Gln Arg Phe
 130 135 140
 Leu Leu Tyr Asn Arg Ser Pro His Pro Pro Glu Lys Cys Val Glu Glu
 145 150 155 160
 Phe Lys Ser Leu Thr Ser Cys Leu Asp Ser Lys Ala Phe Leu Leu Thr
 165 170 175
 Pro Arg Asn Gln Glu Ala Cys Glu Leu Ser Asn Asn
 180 185

<210> 218
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 218
 Met Gln Arg Thr Phe Lys Tyr Leu His Phe Tyr Ile Ile Arg Phe Val
 1 5 10 15

Ser Thr Tyr Ala Phe Ile Val Phe Phe Pro Phe Ser Ser Ser His Val
 20 25 30

Asn Gly Pro Cys Glu Lys Asn Ile Pro Leu Gly Lys
 35 40

<210> 219

<211> 515

<212> PRT

<213> Homo sapiens

<400> 219

Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Leu Ala Leu Gly Leu
 1 5 10 15

Arg Gly Leu Gln Ala Gly Gly Glu Trp Arg Arg Pro Pro Ala His Ser
 20 25 30

Pro Val Pro Ala Pro Pro Leu Arg Phe Ala Ser Pro His Ser Pro Gln
 35 40 45

Ala Pro Asp Pro Gly Phe Gln Glu Arg Phe Phe Gln Gln Arg Leu Asp
 50 55 60

His Phe Asn Phe Glu Arg Phe Gly Asn Lys Thr Phe Pro Gln Arg Phe
 65 70 75 80

Leu Val Ser Asp Arg Phe Trp Val Arg Gly Glu Gly Pro Ile Phe Phe
 85 90 95

Tyr Thr Gly Asn Glu Gly Asp Val Trp Ala Phe Ala Asn Asn Ser Gly
 100 105 110

Phe Val Ala Glu Leu Ala Ala Glu Arg Gly Ala Leu Leu Val Phe Ala
 115 120 125

Glu His Arg Tyr Tyr Gly Lys Ser Leu Pro Phe Gly Ala Gln Ser Thr
 130 135 140

Gln Arg Gly His Thr Glu Leu Leu Thr Val Glu Gln Ala Leu Ala Asp
 145 150 155 160

Phe Ala Glu Leu Leu Arg Ala Leu Arg Arg Asp Leu Gly Ala Gln Asp
 165 170 175

Ala Pro Ala Ile Ala Phe Gly Gly Ser Tyr Gly Gly Met Leu Ser Ala
 180 185 190

Tyr Leu Arg Met Lys Tyr Pro His Leu Val Ala Gly Ala Leu Ala Ala
 195 200 205

Ser Ala Pro Val Leu Ala Val Ala Gly Leu Gly Asp Ser Asn Gln Phe
 210 215 220

Phe	Arg	Asp	Val	Thr	Ala	Asp	Phe	Glu	Gly	Gln	Ser	Pro	Lys	Cys	Thr	225	230	235	240
Gln	Gly	Val	Arg	Glu	Ala	Phe	Arg	Gln	Ile	Lys	Asp	Leu	Phe	Leu	Gln	245	250	255	
Gly	Ala	Tyr	Asp	Thr	Val	Arg	Trp	Glu	Phe	Gly	Thr	Cys	Gln	Pro	Leu	260	265	270	
Ser	Asp	Glu	Lys	Asp	Leu	Thr	Gln	Leu	Phe	Met	Phe	Ala	Arg	Asn	Ala	275	280	285	
Phe	Thr	Val	Leu	Ala	Met	Met	Asp	Tyr	Pro	Tyr	Pro	Thr	Asp	Phe	Leu	290	295	300	
Gly	Pro	Leu	Pro	Ala	Asn	Pro	Val	Lys	Val	Gly	Cys	Asp	Arg	Leu	Leu	305	310	315	320
Ser	Glu	Ala	Gln	Arg	Ile	Thr	Gly	Leu	Arg	Ala	Leu	Ala	Gly	Leu	Val	325	330	335	
Tyr	Asn	Ala	Ser	Gly	Ser	Glu	His	Cys	Tyr	Asp	Ile	Tyr	Arg	Leu	Tyr	340	345	350	
His	Ser	Cys	Ala	Asp	Pro	Thr	Gly	Cys	Gly	Thr	Gly	Pro	Asp	Ala	Arg	355	360	365	
Ala	Trp	Asp	Tyr	Gln	Ala	Cys	Thr	Glu	Ile	Asn	Leu	Thr	Phe	Ala	Ser	370	375	380	
Asn	Asn	Val	Thr	Asp	Met	Phe	Pro	Asp	Leu	Pro	Phe	Thr	Asp	Glu	Leu	385	390	395	400
Arg	Gln	Arg	Tyr	Cys	Leu	Asp	Thr	Trp	Gly	Val	Trp	Pro	Arg	Pro	Asp	405	410	415	
Trp	Leu	Leu	Thr	Ser	Phe	Trp	Gly	Gly	Asp	Leu	Arg	Ala	Ala	Ser	Asn	420	425	430	
Ile	Ile	Phe	Ser	Asn	Gly	Asn	Leu	Asp	Pro	Trp	Ala	Gly	Gly	Gly	Ile	435	440	445	
Arg	Arg	Asn	Leu	Ser	Ala	Ser	Val	Ile	Ala	Val	Thr	Ile	Gln	Gly	Gly	450	455	460	
Ala	His	His	Leu	Asp	Leu	Arg	Ala	Ser	His	Pro	Glu	Asp	Pro	Ala	Ser	465	470	475	480
Val	Val	Glu	Ala	Arg	Lys	Leu	Glu	Ala	Thr	Ile	Ile	Gly	Glu	Trp	Val	485	490	495	
Lys	Ala	Ala	Arg	Arg	Glu	Gln	Gln	Pro	Ala	Leu	Arg	Gly	Gly	Pro	Arg	500	505	510	
Leu	Ser	Leu																	

515

<210> 220

<211> 522

<212> PRT

<213> Homo sapiens

<400> 220

Met Ala Ala Ala Met Pro Leu Ala Leu Leu Val Leu Leu Leu Leu Gly
 1 5 10 15

Pro Gly Gly Trp Cys Leu Ala Glu Pro Pro Arg Asp Ser Leu Arg Glu
 20 25 30

Glu Leu Val Ile Thr Pro Leu Pro Ser Gly Asp Val Ala Ala Thr Phe
 35 40 45

Gln Phe Arg Thr Arg Trp Asp Ser Glu Leu Gln Arg Glu Gly Val Ser
 50 55 60

His Tyr Arg Leu Phe Pro Lys Ala Leu Gly Gln Leu Ile Ser Lys Tyr
 65 70 75 80

Ser Leu Arg Glu Leu His Leu Ser Phe Thr Gln Gly Phe Trp Arg Thr
 85 90 95

Arg Tyr Trp Gly Pro Pro Phe Leu Gln Ala Pro Ser Asp Thr Asp His
 100 105 110

Tyr Phe Leu Arg Tyr Ala Val Leu Pro Arg Glu Val Val Cys Thr Glu
 115 120 125

Asn Leu Thr Pro Trp Lys Lys Leu Leu Pro Cys Ser Ser Lys Ala Gly
 130 135 140

Leu Ser Val Leu Leu Lys Ala Asp Arg Leu Phe His Thr Ser Tyr His
 145 150 155 160

Ser Gln Ala Val His Ile Arg Pro Val Cys Arg Asn Ala Arg Cys Thr
 165 170 175

Ser Ile Ser Trp Glu Leu Arg Gln Thr Leu Ser Val Val Phe Asp Ala
 180 185 190

Phe Ile Thr Gly Gln Gly Lys Lys Asp Trp Ser Leu Phe Arg Met Phe
 195 200 205

Ser Arg Thr Leu Thr Glu Pro Cys Pro Leu Ala Ser Glu Ser Arg Val
 210 215 220

Tyr Val Asp Ile Thr Thr Tyr Asn Gln Asp Asn Glu Thr Leu Glu Val
 225 230 235 240

His Pro Pro Pro Thr Thr Thr Tyr Gln Asp Val Ile Leu Gly Thr Arg

245						250						255					
Lys	Thr	Tyr	Ala	Ile	Tyr	Asp	Leu	Leu	Asp	Thr	Ala	Met	Ile	Asn	Asn		
			260					265					270				
Ser	Arg	Asn	Leu	Asn	Ile	Gln	Leu	Lys	Trp	Lys	Arg	Pro	Pro	Glu	Asn		
		275					280					285					
Glu	Ala	Pro	Pro	Val	Pro	Phe	Leu	His	Ala	Gln	Arg	Tyr	Val	Ser	Gly		
	290					295					300						
Tyr	Gly	Leu	Gln	Lys	Gly	Glu	Leu	Ser	Thr	Leu	Leu	Tyr	Asn	Thr	His		
305					310					315					320		
Pro	Tyr	Arg	Ala	Phe	Pro	Val	Leu	Leu	Leu	Asp	Thr	Val	Pro	Trp	Tyr		
				325					330					335			
Leu	Arg	Leu	Tyr	Val	His	Thr	Leu	Thr	Ile	Thr	Ser	Lys	Gly	Lys	Glu		
			340					345					350				
Asn	Lys	Pro	Ser	Tyr	Ile	His	Tyr	Gln	Pro	Ala	Gln	Asp	Arg	Leu	Gln		
		355					360					365					
Pro	His	Leu	Leu	Glu	Met	Leu	Ile	Gln	Leu	Pro	Ala	Asn	Ser	Val	Thr		
	370					375					380						
Lys	Val	Ser	Ile	Gln	Phe	Glu	Arg	Ala	Leu	Leu	Lys	Trp	Thr	Glu	Tyr		
385					390					395					400		
Thr	Pro	Asp	Pro	Asn	His	Gly	Phe	Tyr	Val	Ser	Pro	Ser	Val	Leu	Ser		
				405					410					415			
Ala	Leu	Val	Pro	Ser	Met	Val	Ala	Ala	Lys	Pro	Val	Asp	Trp	Glu	Glu		
			420					425					430				
Ser	Pro	Leu	Phe	Asn	Ser	Leu	Phe	Pro	Val	Ser	Asp	Gly	Ser	Asn	Tyr		
		435					440					445					
Phe	Val	Arg	Leu	Tyr	Thr	Glu	Pro	Leu	Leu	Val	Asn	Leu	Pro	Thr	Pro		
	450					455					460						
Asp	Phe	Ser	Met	Pro	Tyr	Asn	Val	Ile	Cys	Leu	Thr	Cys	Thr	Val	Val		
465					470					475					480		
Ala	Val	Cys	Tyr	Gly	Ser	Phe	Tyr	Asn	Leu	Leu	Thr	Arg	Thr	Phe	His		
				485					490					495			
Ile	Glu	Glu	Pro	Arg	Thr	Gly	Gly	Leu	Ala	Lys	Arg	Leu	Ala	Asn	Leu		
			500					505					510				
Ile	Arg	Arg	Ala	Arg	Gly	Val	Pro	Pro	Leu								
		515					520										

<211> 52
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Lys Ser His Ile Ser Trp Arg Leu Cys Ser Leu Leu Leu Ile Leu
 1 5 10 15
 Phe Ser Leu Ile Leu Ser Ala Cys Phe Ile Ser Ala Arg Trp Ser Ser
 20 25 30
 Asn Ser Asp Ile Phe Phe Ser Ala Trp Ser Ile Gln Leu Leu Ile Leu
 35 40 45
 Val Tyr Ala Ser
 50

<210> 222
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 222
 Met Gly Phe Trp Cys Gly Cys Pro Phe Cys Leu Leu Val Phe Leu Leu
 1 5 10 15
 Thr Val Arg Thr Arg Ser Phe Xaa Ser Val Gly Val Cys Trp Arg Ser
 20 25 30
 Thr Pro Asp Pro Leu Cys Leu Gly Ile Ser Ser Arg Ser Cys Arg Thr
 35 40 45
 Ala Asp Ile Gly Glu Gln Gln Met Leu Leu Pro Asp Arg Ser Ser Gly
 50 55 60
 Ser Phe Val Ser Glu Tyr Pro Ala Met
 65 70

<210> 223
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 223
 Met Tyr Arg Phe Phe Leu Cys Val Asp Leu Ser Phe Gln Leu Leu Trp
 1 5 10 15
 Val Ile Pro Arg Ser Thr Val Thr Gly Thr Tyr Gly Lys Asp Ile Phe

20 25 30
 Ser Leu Ala Gly Asn His His Thr Val Phe Gln Ser Ser Cys Thr Ile
 35 40 45

Leu His Thr His Gln His
 50

<210> 224
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 224
 Met Ala Thr Ile Leu Leu Lys Leu Pro Ile Leu Ser Ala Met Ile Lys
 1 5 10 15

Lys Pro Leu Arg Asn Tyr Leu Lys Thr Ser Glu Thr Thr Met Glu Lys
 20 25 30

Ile Ile Ile Gln Lys Leu Val Ala Asn Leu Lys Phe Leu Pro Leu Gly
 35 40 45

Thr Leu Gln Leu Ala Met Met Ile Ala Asn Leu Ile Lys Lys Leu Phe
 50 55 60

Phe Pro Leu Val Lys Ala Ala Lys
 65 70

<210> 225
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 225
 Met Tyr Leu Ala Val Tyr Leu Leu Leu Phe Leu Cys Ile Cys Phe Tyr
 1 5 10 15

Phe Ile Ala Leu Phe Ser His Ala Leu Val Pro His Cys Phe Asn Tyr
 20 25 30

Pro Gly Phe Ser Phe Asn Leu Val His Trp Ser Ser Leu Ile Pro Pro
 35 40 45

Leu Pro Thr Phe Phe Phe Phe Asn Ser Phe Ser Asn Cys Ser Tyr Phe
 50 55 60

Ser Ile
 65

<210> 226
 <211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 226

Met	Ala	Lys	Thr	Asp	Phe	Ser	Ile	Ile	Leu	Leu	Lys	Leu	His	Cys	Leu
1				5					10				15		

Phe	Phe	Phe	Ser	Val	Ile	Ser	Val	His	Cys	Ala	Gln	Ser	Phe	Ile	Ser
			20					25					30		

Val	Thr	Gln	Thr	Glu	Pro	Ser	Pro	Ala	Val	Cys	Ile	Phe	Pro	Ala	Val
		35					40					45			

Gly	Ser	Gly	Leu	Gly	Pro	Cys	Asp	Xaa
	50					55		

<210> 227

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 227

Met	Ala	Gly	Pro	Trp	Thr	Phe	Thr	Leu	Leu	Cys	Gly	Leu	Leu	Ala	Ala
1				5				10						15	

Thr	Leu	Ile	Gln	Ala	Thr	Leu	Ser	Pro	Thr	Ala	Val	Leu	Ile	Leu	Gly
			20					25					30		

Pro	Lys	Val	Ile	Lys	Glu	Lys	Leu	Thr	Gln	Glu	Leu	Lys	Asp	His	Asn
		35					40					45			

Ala	Thr	Ser	Ile	Leu	Gln	Gln	Leu	Pro	Leu	Leu	Ser	Ala	Met	Arg	Glu
	50					55					60				

Lys	Pro	Ala	Gly	Ala	Ser	Leu	Cys	Trp	Ala	Ala	Trp	Xaa
65						70					75	

<210> 228

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 228

Met Asp Leu Tyr Phe Phe Leu Leu Ala Gly Ile Gln Ala Val Thr Ala
1 5 10 15

Leu Leu Phe Val Trp Ile Ala Gly Arg Tyr Glu Arg Ala Ser Gln Gly
20 25 30

Pro Ala Ser His Ser Arg Phe Ser Arg Asp Arg Gly Xaa
35 40 45

<210> 229

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 229

Met Ser Trp Val Gln Ala Thr Leu Leu Ala Arg Gly Leu Cys Arg Ala
1 5 10 15

Trp Gly Gly Thr Cys Gly Ala Ala Leu Thr Gly Thr Ser Ile Ser Gln
20 25 30

Val Pro Arg Arg Leu Pro Arg Gly Leu His Cys Ser Ala Leu Xaa Ile
35 40 45

Ala Leu Asn Ser Pro Trp Phe Pro Ala His Arg Asn Pro Gly Arg Gly
50 55 60

Pro Pro Arg Leu Trp Cys Pro Leu Arg Thr Cys Leu Gly Arg Arg Leu
65 70 75 80

Val Gly Asn Gly Thr Arg Arg Ala Ser Cys Arg Arg Cys Arg Asn Leu
85 90 95

Arg Xaa Gln Arg Ala Xaa

100

<210> 230

<211> 132

<212> PRT

<213> Homo sapiens

<400> 230

Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp
 1 5 10 15

Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Ala Val
 20 25 30

Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met
 35 40 45

Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Ala Phe Val Tyr
 50 55 60

Gly Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu Ala Val Met
 65 70 75 80

Ala Ile Gln Ser Leu His Pro Cys Pro Ser Glu Leu Cys Cys Arg Ala
 85 90 95

Cys Val Ser Phe Tyr His Trp Ala Met Val Ala Val Thr Gly Gly Val
 100 105 110

Gly Val Ala Ala Ala Leu Cys Leu Cys Ser Leu Leu Leu Trp Pro Thr
 115 120 125

Arg Leu Arg Arg
 130

<210> 231

<211> 66

<212> PRT

<213> Homo sapiens

<400> 231

Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp
 1 5 10 15

Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Ala Val
 20 25 30

Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met
 35 40 45

Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Leu Ser Cys Thr
 50 55 60

Ala Pro

65

<210> 232

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 232

Met	Pro	Trp	Lys	Arg	Ala	Val	Val	Leu	Leu	Met	Leu	Trp	Phe	Ile	Gly
1				5					10					15	

Gln	Ala	Met	Trp	Leu	Ala	Pro	Ala	Tyr	Val	Leu	Glu	Phe	Gln	Gly	Lys
		20						25					30		

Asn	Thr	Phe	Leu	Phe	Ile	Trp	Leu	Ala	Gly	Leu	Phe	Phe	Leu	Leu	Ile
		35					40					45			

Asn	Cys	Ser	Ile	Leu	Ile	Gln	Ile	Ile	Ser	His	Tyr	Lys	Glu	Glu	Pro
	50					55					60				

Leu	Thr	Glu	Arg	Ile	Lys	Tyr	Asp	Xaa
65					70			

<210> 233

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 233

Met	Leu	Ala	Leu	Thr	Phe	Met	Phe	Met	Val	Leu	Glu	Val	Val	Val	Ser
1				5					10					15	

Arg	Val	Thr	Ser	Ser	Leu	Ala	Met	Leu	Ser	Asp	Ser	Phe	His	Met	Leu
		20						25					30		

Ser	Asp	Val	Leu	Ala	Leu	Val	Val	Ala	Leu	Val	Ala	Glu	Arg	Phe	Ala
	35						40					45			

Arg	Arg	Thr	His	Ala	Thr	Gln	Lys	Asn	Thr	Phe	Gly	Trp	Ile	Arg	Ala
	50					55					60				

Glu	Val	Met	Gly	Ala	Leu	Val	Asn	Ala	Ile	Phe	Leu	Thr	Gly	Leu	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

65	70	75	80
Phe Ala Ile Leu Leu Glu Ala Ile Glu Arg Phe Ile Glu Pro His Glu	85	90	95
Met Gln Gln Pro Leu Val Val Leu Gly Val Gly Val Ala Gly Leu Leu	100	105	110
Val Asn Val Leu Gly Leu Cys Leu Phe His His His Ser Gly Phe Ser	115	120	125
Gln Asp Ser Gly His Xaa His Ser His Gly Gly His Gly His Gly His	130	135	140
Gly Leu Pro Lys Gly Pro Arg Val Lys Ser Thr Arg Pro Gly Ser Ser	145	150	155
Asp Ile Asn Val Ala Pro Gly Glu Gln Gly Pro Asp Gln Glu Glu Thr	165	170	175
Asn Thr Leu Val Ala Asn Thr Ser Asn Ser Asn Gly Leu Lys Leu Asp	180	185	190
Pro Ala Asp Pro Glu Asn Pro Arg Ser Gly Asp Thr Val Glu Val Gln	195	200	205
Val Asn Gly Asn Leu Val Arg Glu Pro Asp His Met Glu Leu Glu Glu	210	215	220
Asp Arg Ala Gly Gln Leu Asn Met Arg Gly Val Phe Leu His Val Leu	225	230	235
Gly Asp Ala Leu Gly Ser Val Ile Val Val Val Asn Ala Leu Val Phe	245	250	255
Tyr Phe Ser Trp Lys Gly Cys Ser Glu Gly Asp Phe Cys Val Asn Pro	260	265	270
Cys Phe Pro Asp Pro Cys Lys Ala Phe Val Glu Ile Leu Ile Val Leu	275	280	285
Met His Gln Phe Met	290		

<210> 234

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 234

Met	Lys	Thr	His	Leu	Leu	Met	Phe	Leu	Leu	Ser	Cys	Met	Ala	Arg	Cys
1				5					10					15	

Thr	Gly	Ile	Val	Pro	Lys	Arg	Pro	Gln	Pro	Ala	Phe	Pro	Leu	Arg	Gly
			20					25					30		

Arg	Arg	Arg	Lys	Asn	Ser	Phe	Leu	Phe	Leu	Leu	Ser	Phe	Ser	Ile	Glu
			35				40					45			

Phe	Leu	Leu	Cys	Val	Trp	Xaa
50						55

<210> 235

<211> 47

<212> PRT

<213> Homo sapiens

<400> 235

Met	Lys	Thr	His	Leu	Leu	Met	Phe	Leu	Leu	Ser	Cys	Met	Ala	Arg	Cys
1				5					10					15	

Thr	Gly	Ile	Val	Pro	Lys	Arg	Pro	Gln	Pro	Ala	Phe	Pro	Leu	Arg	Gly
			20					25					30		

Lys	Glu	Lys	Lys	Lys	Leu	Leu	Phe	Ile	Phe	Thr	Phe	Phe	Gln	His
		35					40					45		

<210> 236

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 236

Met	Cys	Lys	Ala	Val	Cys	Lys	His	Arg	Leu	Arg	Leu	Phe	Ala	Val	Ser
1				5					10					15	

Ser	Phe	Ser	Leu	Gly	Leu	Gly	Trp	Val	Cys	Val	Leu	Val	Leu	Met	Leu
			20				25					30			

Trp	Pro	Val	Arg	Leu	Ser	Leu	Ala	Xaa	Arg	Pro	Val	Gln	Leu	Gln	Gln
			35				40					45			

Arg Arg Ser His Cys Xaa
50

<210> 237

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 237

Met Ser Arg Lys Ser Leu Ala Phe Pro Ile Ile Cys Ser Tyr Leu Cys
1 5 10 15

Phe Leu Thr Val Ala Thr Cys Ser Ile Ala Cys Thr Thr Val Phe Phe
20 25 30

Ala Asn Leu Arg His Thr Arg Tyr Ile Cys Ile Glu Leu Ser Ala Leu
35 40 45

Glu Thr Ser Gly Val Ile Ser Pro Gln Ile Asn Asn Val Pro Glu Val
50 55 60

His Gly Lys Tyr Ser Xaa
65 70

<210> 238

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 238

Met Lys Pro Thr Arg Ser Leu Trp Ile Ser Phe Leu Met Cys Cys Trp
1 5 10 15

Ile Trp Phe Ala Asn Ile Leu Leu Arg Ile Phe Ala Ser Val Phe Phe
20 25 30

Arg Asp Ile Gly Leu Lys Phe Ser Phe Phe Cys Cys Val Ser Ala Arg
35 40 45

Leu Trp Tyr Gln Asp Asp Ala Gly Leu Ile Asn Glu Leu Gly Arg Ile
50 55 60

Pro Ser Phe Tyr Xaa

65

<210> 239

<211> 67

<212> PRT

<213> Homo sapiens

<400> 239

Met	Gly	Glu	Ala	Ser	Pro	Pro	Ala	Pro	Ala	Arg	Arg	His	Leu	Leu	Val
1				5					10					15	

Leu	Leu	Leu	Leu	Leu	Ser	Thr	Leu	Val	Ile	Pro	Ser	Ala	Ala	Ala	Pro
			20					25					30		

Ile	His	Asp	Ala	Asp	Ala	Gln	Glu	Ser	Ser	Leu	Gly	Leu	Thr	Gly	Leu
		35					40					45			

Gln	Ser	Leu	Leu	Gln	Gly	Phe	Ser	Arg	Leu	Phe	Leu	Lys	Val	Thr	Cys
	50					55					60				

Phe	Gly	Ala
65		

<210> 240

<211> 90

<212> PRT

<213> Homo sapiens

<400> 240

Met	Leu	Val	Val	Ser	Thr	Val	Ile	Ile	Val	Phe	Trp	Glu	Phe	Ile	Asn
1				5					10					15	

Ser	Thr	Glu	Gly	Ser	Phe	Leu	Trp	Ile	Tyr	His	Ser	Lys	Asn	Pro	Glu
			20					25					30		

Val	Asp	Asp	Ser	Ser	Ala	Gln	Lys	Gly	Trp	Trp	Phe	Leu	Ser	Trp	Phe
		35					40					45			

Asn	Asn	Gly	Ile	His	Asn	Tyr	Gln	Gln	Gly	Glu	Glu	Asp	Ile	Asp	Lys
	50					55					60				

Glu	Lys	Gly	Arg	Glu	Glu	Thr	Lys	Gly	Arg	Lys	Met	Thr	Gln	Gln	Ser
65					70					75					80

Phe	Gly	Tyr	Gly	Thr	Gly	Leu	Ile	Gln	Thr
				85					90

<210> 241

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 241

Met	Ala	Phe	Lys	Leu	Leu	Ile	Leu	Leu	Ile	Gly	Thr	Trp	Ala	Leu	Phe
1				5					10					15	

Phe	Arg	Lys	Arg	Arg	Ala	Asp	Met	Pro	Arg	Val	Phe	Val	Phe	Arg	Ala
			20					25					30		

Leu	Leu	Leu	Val	Leu	Ile	Phe	Leu	Phe	Cys	Gly	Phe	Pro	Ile	Gly	Phe
			35				40					45			

Phe	Thr	Gly	Ser	Ala	Phe	Trp	Thr	Leu	Gly	Asn	Arg	Asn	Tyr	Gln	Gly
	50					55					60				

Ile	Val	Gln	Tyr	Ala	Val	Ser	Pro	Cys	Gly	Met	Pro	Ser	Ser	Phe	His
65					70					75					80

Pro	Leu	Leu	Ala	Ile	Arg	Pro	Cys	Trp	Ser	Ser	Gly	Ser	Leu	Gln	Pro
				85				90						95	

Asn	Val	Pro	Arg	Cys	Arg	Leu	Val	Pro	Leu	Pro	Thr	Glu	Trp	Gly	Asn
			100					105					110		

Pro	Arg	Phe	Gln	Xaa	Gly	Thr	Pro	Glu	Tyr	Pro	Ala	Ser	Ser	Ile	Gly
		115					120					125			

Gly	Pro	Arg	Lys	Leu	Leu	Gln	Arg	Phe	His	His	Leu
130						135					140

<210> 242

<211> 37

<212> PRT

<213> Homo sapiens

<400> 242

Met	Gly	Leu	Pro	Val	Ser	Trp	Ala	Pro	Pro	Ala	Leu	Trp	Val	Leu	Gly
1				5					10					15	

Cys	Cys	Ala	Leu	Leu	Leu	Ser	Leu	Trp	Ala	Leu	Cys	Thr	Ala	Cys	Arg
			20					25					30		

Ser	Pro	Arg	Thr	Leu
				35

<210> 243

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 243

Arg	Leu	Leu	Asn	Leu	Ser	Val	Pro	Met	Phe	Thr	Phe	Ile	Val	Val	Lys
1				5					10					15	

Arg	Tyr	Ala	Thr	Xaa
			20	

<210> 244

<211> 138

<212> PRT

<213> Homo sapiens

<400> 244

Met	Ala	Tyr	Leu	Thr	Gly	Met	Leu	Ser	Ser	Tyr	Tyr	Asn	Thr	Thr	Ser
1				5					10					15	

Val	Leu	Leu	Cys	Leu	Gly	Ile	Thr	Ala	Leu	Val	Cys	Leu	Ser	Val	Thr
			20					25					30		

Val	Phe	Ser	Phe	Gln	Thr	Lys	Phe	Asp	Phe	Thr	Ser	Cys	Gln	Gly	Val
		35					40					45			

Leu	Phe	Val	Leu	Leu	Met	Thr	Leu	Phe	Phe	Ser	Gly	Leu	Ile	Leu	Ala
	50					55					60				

Ile	Leu	Leu	Pro	Phe	Gln	Tyr	Val	Pro	Trp	Leu	His	Ala	Val	Tyr	Ala
65					70				75					80	

Ala	Leu	Gly	Ala	Gly	Val	Phe	Thr	Leu	Phe	Leu	Ala	Leu	Asp	Thr	Gln
				85					90					95	

Leu	Leu	Met	Gly	Asn	Arg	Arg	His	Ser	Leu	Ser	Pro	Glu	Glu	Tyr	Ile
			100					105					110		

Phe	Gly	Ala	Leu	Asn	Ile	Tyr	Leu	Asp	Ile	Ile	Tyr	Ile	Phe	Thr	Phe
		115					120					125			

Phe	Leu	Gln	Leu	Phe	Gly	Thr	Asn	Arg	Glu
	130					135			

<210> 245

<211> 175

<212> PRT

<213> Homo sapiens

<400> 245

Met	Ala	Gln	Trp	Thr	Ser	Thr	Gly	Pro	Gly	Lys	Pro	Thr	Arg	Arg	Gly
1				5					10					15	

Leu Gly Ile Pro Thr Ala Ser Ser Gly Trp Val Trp Arg Arg Cys Ile
 20 25 30
 Ala Ser Trp Gly Thr Ala Thr Ala Ala Trp Pro Cys Ser Cys Gly Thr
 35 40 45
 Gly Met Ala Thr Pro Ser Cys Cys Ser Ser Pro Cys Thr Trp Val Ala
 50 55 60
 Arg Thr Arg Pro Ile Ala Cys Ser Ser Leu His Pro Trp Pro Ala Ser
 65 70 75 80
 Trp Ala Pro Pro Pro Ser His Pro Ala Ala Ser Pro Tyr Pro Ser Pro
 85 90 95
 Leu Gly Thr Arg Ile Thr Thr Ser Ala Gly Thr Arg Thr Ala Pro Arg
 100 105 110
 Ala Ser Leu Glu Ala Gly Gly Leu Ala Pro Ala Ala Ile Pro Thr Phe
 115 120 125
 Asn Gly Pro Val Leu Pro Ala Pro Ser His Ser Ser Gly Arg Ser Leu
 130 135 140
 Arg Arg Glu Ser Ser Gly Arg Pro Ala Gly Arg Tyr Tyr Pro Leu Gln
 145 150 155 160
 Ala Thr Thr Met Leu Ile Gln Pro Met Ala Ala Glu Ala Ala Ser
 165 170 175

<210> 246

<211> 101

<212> PRT

<213> Homo sapiens

<400> 246

Met Leu Leu Phe Gly Leu Cys Trp Gly Pro Tyr Val Ala Thr Leu Leu
 1 5 10 15
 Leu Ser Val Leu Ala Tyr Glu Gln Arg Pro Pro Leu Gly Pro Gly Thr
 20 25 30
 Leu Leu Ser Leu Leu Ser Leu Gly Ser Ala Ser Ala Ala Ala Val Pro
 35 40 45
 Val Ala Met Gly Leu Gly Asp Gln Arg Tyr Thr Ala Pro Trp Arg Ala
 50 55 60
 Ala Ala Gln Arg Cys Leu Gln Gly Leu Trp Gly Arg Ala Ser Arg Asp
 65 70 75 80
 Ser Pro Gly Pro Ser Ile Ala Tyr His Pro Ser Ser Gln Ser Ser Val
 85 90 95

Asp Leu Asp Leu Asn
100

<210> 247
<211> 39
<212> PRT
<213> Homo sapiens

<400> 247
Met Leu Gly Leu Leu Leu Leu Cys Thr Pro Arg Ala Trp Leu Thr Leu
1 5 10 15
Ser Gly Pro Val Cys Phe Gln Gly Arg Asp Pro Leu Arg Ser His Arg
20 25 30
Gly His Pro Ser Cys Gly Ser
35

<210> 248
<211> 47
<212> PRT
<213> Homo sapiens

<400> 248
Met Leu Ser Ile Ile Pro Asn Asp Arg Leu Phe Ile Asn Leu Ile Phe
1 5 10 15
Leu Ser Asn Phe Leu Pro Ser Val Leu Trp Glu Pro Ala Gly Gln Met
20 25 30
Trp Tyr Thr His Val Arg Tyr Pro Ser Gly Arg Leu Leu Ser Leu
35 40 45

<210> 249
<211> 34
<212> PRT
<213> Homo sapiens

<400> 249
Met Thr Gly Phe Ala Gln Phe Cys Val Ile Leu Gly Leu Asn Leu Ser
1 5 10 15
Leu Phe Gly Thr Phe Pro Tyr Leu Leu Pro Ser Ser Glu Ser Arg Cys
20 25 30
Arg Lys

<210> 250
<211> 490

<212> PRT

<213> Homo sapiens

<400> 250

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Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Leu Ala Leu Gly Leu
 1              5              10              15

Arg Gly Leu Gln Ala Gly Ala Arg Ser Gly Pro Arg Leu Pro Gly Ala
      20              25              30

Leu Leu Pro Ala Ala Ser Gly Pro Leu Gln Leu Arg Ala Leu Arg Gln
      35              40              45

Gln Asp Leu Pro Ser Ala Leu Pro Gly Val Gly Gln Val Leu Gly Pro
      50              55              60

Gly Arg Gly Ala His Leu Leu Leu His Trp Glu Arg Gly Arg Arg Val
      65              70              75              80

Gly Leu Arg Gln Gln Leu Gly Leu Arg Arg Gly Leu Ala Ala Glu Arg
      85              90              95

Gly Ala Leu Leu Val Phe Ala Glu His Arg Tyr Tyr Gly Lys Ser Leu
      100             105             110

Pro Phe Gly Ala Gln Ser Thr Gln Arg Gly His Thr Glu Leu Leu Thr
      115             120             125

Val Glu Gln Ala Leu Ala Asp Phe Ala Glu Leu Leu Arg Ala Leu Arg
      130             135             140

Arg Asp Leu Gly Ala Gln Asp Ala Pro Ala Ile Ala Phe Gly Gly Ser
      145             150             155             160

Tyr Gly Gly Met Leu Ser Ala Tyr Leu Arg Met Lys Tyr Pro His Leu
      165             170             175

Val Ala Gly Ala Leu Ala Ala Ser Ala Pro Val Leu Ser Val Ala Gly
      180             185             190

Leu Gly Asp Ser Asn Gln Phe Phe Arg Asp Val Thr Ala Asp Phe Glu
      195             200             205

Gly Gln Ser Pro Lys Cys Thr Gln Gly Val Arg Glu Ala Phe Arg Gln
      210             215             220

Ile Lys Asp Leu Phe Leu Gln Gly Ala Tyr Asp Thr Val Arg Trp Glu
      225             230             235             240

Phe Gly Thr Cys Gln Pro Leu Ser Asp Glu Lys Asp Leu Thr Gln Leu
      245             250             255

Phe Met Phe Ala Arg Asn Ala Phe Thr Val Leu Ala Met Met Asp Tyr
      260             265             270

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Pro Tyr Pro Thr Asp Phe Leu Gly Pro Leu Pro Ala Asn Pro Val Lys
 275 280 285

Val Gly Cys Asp Arg Leu Leu Ser Glu Ala Gln Arg Ile Thr Gly Leu
 290 295 300

Arg Ala Leu Ala Gly Leu Val Tyr Asn Ala Ser Gly Ser Glu His Cys
 305 310 315 320

Tyr Asp Ile Tyr Arg Leu Tyr His Ser Cys Ala Asp Pro Thr Gly Cys
 325 330 335

Gly Thr Gly Pro Asp Ala Arg Ala Trp Asp Tyr Gln Ala Cys Thr Glu
 340 345 350

Ile Asn Leu Thr Phe Ala Ser Asn Asn Val Thr Asp Met Phe Pro Asp
 355 360 365

Leu Pro Phe Thr Asp Glu Leu Arg Gln Arg Tyr Cys Leu Asp Thr Trp
 370 375 380

Gly Val Trp Pro Arg Pro Asp Trp Leu Leu Thr Ser Phe Trp Gly Gly
 385 390 395 400

Asp Leu Arg Ala Ala Ser Asn Ile Ile Phe Ser Asn Gly Asn Leu Asp
 405 410 415

Pro Trp Ala Gly Gly Gly Ile Arg Arg Asn Leu Ser Ala Ser Val Ile
 420 425 430

Ala Val Thr Ile Gln Gly Gly Ala His His Leu Asp Leu Arg Ala Ser
 435 440 445

His Pro Glu Asp Pro Ala Ser Val Val Glu Ala Arg Lys Leu Glu Ala
 450 455 460

Thr Ile Ile Gly Glu Trp Val Lys Ala Ala Arg Arg Glu Gln Gln Pro
 465 470 475 480

Ala Leu Arg Gly Gly Pro Arg Leu Ser Leu
 485 490

<210> 251

<211> 555

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (555)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 251

Gly Gly Gly Tyr Ala Leu Ala Leu Leu Val Leu Leu Leu Leu Gly Pro

1	5	10	15
Gly Gly Trp Cys Leu Ala Glu Pro Pro Arg Asp Ser Leu Arg Glu Glu	20	25	30
Leu Val Ile Thr Pro Leu Pro Ser Gly Asp Val Ala Ala Thr Phe Gln	35	40	45
Phe Arg Thr Arg Trp Asp Ser Glu Leu Gln Arg Glu Gly Val Ser His	50	55	60
Tyr Arg Leu Phe Pro Lys Ala Leu Gly Gln Leu Ile Ser Lys Tyr Ser	65	70	75
Leu Arg Glu Leu His Leu Ser Phe Thr Gln Gly Phe Trp Arg Thr Arg	85	90	95
Tyr Trp Gly Pro Pro Phe Leu Gln Ala Pro Ser Asp Thr Asp His Tyr	100	105	110
Phe Leu Arg Tyr Ala Val Leu Pro Arg Glu Val Val Cys Thr Glu Asn	115	120	125
Leu Thr Pro Trp Lys Lys Leu Leu Pro Cys Ser Ser Lys Ala Gly Leu	130	135	140
Ser Val Leu Leu Lys Ala Asp Arg Leu Phe His Thr Ser Tyr His Ser	145	150	155
Gln Ala Val His Ile Arg Pro Val Cys Arg Asn Ala Arg Cys Thr Ser	165	170	175
Ile Ser Trp Glu Leu Arg Gln Thr Leu Ser Val Val Phe Asp Ala Phe	180	185	190
Ile Thr Gly Gln Gly Lys Lys Asp Trp Ser Leu Phe Arg Met Phe Ser	195	200	205
Arg Thr Leu Thr Glu Pro Cys Pro Leu Ala Ser Glu Ser Arg Val Tyr	210	215	220
Val Asp Ile Thr Thr Tyr Asn Gln Asp Asn Glu Thr Leu Glu Val His	225	230	235
Pro Pro Pro Thr Thr Thr Tyr Gln Asp Val Ile Leu Gly Thr Arg Lys	245	250	255
Thr Tyr Ala Ile Tyr Asp Leu Leu Asp Thr Ala Met Ile Asn Asn Ser	260	265	270
Arg Asn Leu Asn Ile Gln Leu Lys Trp Lys Arg Pro Pro Glu Asn Glu	275	280	285
Ala Pro Pro Val Pro Phe Leu His Ala Gln Arg Tyr Val Ser Gly Tyr	290	295	300

Gly Leu Gln Lys Gly Glu Leu Ser Thr Leu Leu Tyr Asn Thr His Pro
 305 310 315 320
 Tyr Arg Ala Phe Pro Val Leu Leu Leu Asp Thr Val Pro Trp Tyr Leu
 325 330 335
 Arg Leu Tyr Val His Thr Leu Thr Ile Thr Ser Lys Gly Lys Glu Asn
 340 345 350
 Lys Pro Ser Tyr Ile His Tyr Gln Pro Ala Gln Asp Arg Leu Gln Pro
 355 360 365
 His Leu Leu Glu Met Leu Ile Gln Leu Pro Ala Asn Ser Val Thr Lys
 370 375 380
 Val Ser Ile Gln Phe Glu Arg Ala Leu Leu Lys Trp Thr Glu Tyr Thr
 385 390 395 400
 Pro Asp Pro Asn His Gly Phe Tyr Val Ser Pro Ser Val Leu Ser Ala
 405 410 415
 Leu Val Pro Ser Met Val Ala Ala Lys Pro Val Asp Trp Glu Glu Ser
 420 425 430
 Pro Leu Phe Asn Ser Leu Phe Pro Val Ser Asp Gly Ser Asn Tyr Phe
 435 440 445
 Val Arg Leu Tyr Thr Glu Pro Leu Leu Val Asn Leu Pro Thr Pro Asp
 450 455 460
 Phe Ser Met Pro Tyr Asn Val Ile Cys Leu Thr Cys Thr Val Val Ala
 465 470 475 480
 Val Cys Tyr Gly Ser Phe Tyr Asn Leu Leu Thr Arg Thr Phe Pro His
 485 490 495
 Arg Gly Ala Pro His Arg Trp Pro Gly Gln Ala Ala Gly Gln Pro Tyr
 500 505 510
 Pro Ala Arg Pro Ser Val Pro Pro Thr Leu Ile Leu Ala Leu Ser Ser
 515 520 525
 Ser Cys Ser Cys Arg Phe Ser Leu Gly Arg Gly Ala Gln Gly Leu Phe
 530 535 540
 Leu Pro Leu Ala Leu Leu Arg Val Gly Phe Xaa
 545 550 555

<210> 252

<211> 69

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 252
 Met Tyr Leu Ala Val Tyr Leu Leu Leu Phe Leu Cys Ile Cys Phe Tyr
 1 5 10 15
 Phe Ile Ala Leu Phe Ser His Ala Leu Xaa Pro His Cys Phe Asn Tyr
 20 25 30
 Pro Gly Phe Ser Phe Asn Leu Val His Trp Ser Ser Leu Ile Pro Pro
 35 40 45
 Leu Pro Xaa Phe Phe Phe Phe Asn Ser Phe Ser Asn Cys Ser Leu Phe
 50 55 60
 Phe Pro Tyr Xaa Leu
 65

<210> 253
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 253
 Thr Arg Pro Glu Lys Val Gln Ala Pro Leu Lys Trp Phe Lys Phe Gln
 1 5 10 15
 Ile Leu Asp Pro Pro
 20

<210> 254
 <211> 272
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (229)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 254

Ser	Ala	Glu	Phe	Gly	Val	Ala	Pro	Leu	Pro	Gly	Arg	Arg	Gly	Ser	Pro
1				5				10						15	

Val	Arg	Gln	Leu	Ala	Gln	Phe	Arg	Arg	Arg	Leu	Leu	Arg	Gly	Ser	Gly
		20					25						30		

Gly	Arg	Gly	Ala	Pro	Gly	Arg	Pro	Pro	Arg	Cys	Pro	Gly	Glu	Ala	Arg
		35					40					45			

Val	Met	Xaa	Pro	Pro	Ser	Cys	Ile	Gln	Asp	Glu	Pro	Phe	Pro	His	Pro
	50					55					60				

Leu	Glu	Pro	Glu	Pro	Gly	Val	Ser	Ala	Gln	Pro	Gly	Pro	Gly	Lys	Pro
65					70					75					80

Ser	Asp	Lys	Arg	Phe	Arg	Leu	Trp	Tyr	Val	Gly	Gly	Ser	Cys	Leu	Asp
				85				90						95	

His	Arg	Thr	Thr	Leu	Pro	Met	Leu	Pro	Trp	Leu	Met	Ala	Glu	Ile	Arg
		100						105					110		

Arg	Arg	Ser	Gln	Lys	Pro	Glu	Ala	Gly	Gly	Cys	Gly	Ala	Pro	Ala	Ala
		115					120					125			

Arg	Glu	Val	Ile	Leu	Val	Leu	Ser	Ala	Pro	Phe	Leu	Arg	Cys	Val	Pro
	130					135					140				

Ala	Pro	Gly	Ala	Gly	Ala	Ser	Gly	Gly	Thr	Ser	Pro	Ser	Ala	Thr	Gln
145					150					155					160

Pro	Asn	Pro	Ala	Val	Phe	Ile	Phe	Glu	His	Lys	Ala	Gln	His	Ile	Ser
			165					170						175	

Arg	Phe	Ile	His	Asn	Ser	His	Asp	Leu	Thr	Tyr	Phe	Ala	Tyr	Leu	Ile
		180						185					190		

Lys	Ala	Gln	Pro	Asp	Asp	Pro	Glu	Ser	Gln	Met	Ala	Cys	His	Val	Phe
	195						200					205			

Arg	Ala	Thr	Asp	Pro	Ser	Gln	Val	Pro	Asp	Val	Ile	Ser	Ser	Ile	Arg
	210					215					220				

Gln	Leu	Ser	Lys	Xaa	Ala	Met	Lys	Glu	Asp	Ala	Lys	Pro	Ser	Lys	Asp
225					230					235					240

Asn	Glu	Asp	Ala	Phe	Tyr	Asn	Ser	Gln	Lys	Phe	Glu	Val	Leu	Tyr	Cys
			245					250						255	

Gly	Lys	Val	Thr	Val	Thr	Pro	Gln	Glu	Gly	Pro	Leu	Lys	Pro	His	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

260

265

270

<210> 255

<211> 14

<212> PRT

<213> Homo sapiens

<400> 255

Pro	Met	Leu	Pro	Trp	Leu	Met	Ala	Glu	Ile	Arg	Arg	Arg	Ser
1				5					10				

<210> 256

<211> 19

<212> PRT

<213> Homo sapiens

<400> 256

Ile	His	Asn	Ser	His	Asp	Leu	Thr	Tyr	Phe	Ala	Tyr	Leu	Ile	Lys	Ala
1				5					10					15	

Gln Pro Asp

<210> 257

<211> 12

<212> PRT

<213> Homo sapiens

<400> 257

Lys	Phe	Glu	Val	Leu	Tyr	Cys	Gly	Lys	Val	Thr	Val
1				5				10			

<210> 258

<211> 13

<212> PRT

<213> Homo sapiens

<400> 258

Ile	Ser	Ser	Ile	Arg	Gln	Leu	Ser	Lys	Ala	Met	Lys	Glu
1				5				10				

<210> 259

<211> 20

<212> PRT

<213> Homo sapiens

<400> 259

Gly Glu Arg Arg Asn Trp Gly Gly Glu Val Tyr Tyr Ser Thr Gly Tyr
 1 5 10 15

Ser Ser Arg Lys
 20

<210> 260

<211> 9

<212> PRT

<213> Homo sapiens

<400> 260

Glu Pro Gly Ala Ala Gln Glu Ser Trp
 1 5

<210> 261

<211> 202

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 261

Leu Cys Ala Arg Pro Ser Cys Ser Tyr Thr Gly Ala Glu Asn Gln Gly
 1 5 10 15

Gln Pro Arg Ser Pro Gly Trp Gly Ser Ser His Val Gly Trp Gly Trp
 20 25 30

Gly Val Gly Ser Pro Phe Leu Gly Ser Gln Glu Trp Ser Gly Leu Ala
 35 40 45

Pro Asp Leu Pro Asp Gln Glu Glu Glu Gln Pro Val Gly Arg His Ser
 50 55 60

Cys Pro Asp Met Ser Gln Cys Ile Lys Arg Gly His Gln Pro Val Gly
 65 70 75 80
 Phe Ser Lys His Ala Trp Arg Cys Leu Val Gly Cys Cys Pro Trp Glu
 85 90 95
 Glu Glu Lys Arg Ser Cys His Pro Phe Gly Ala Xaa Leu Leu Trp Val
 100 105 110
 Leu Arg Phe Ala Leu Gln Pro Xaa Val Tyr Glu Asp Pro Ala Ala Leu
 115 120 125
 Asp Gly Gly Glu Glu Gly Met Asp Ile Xaa Thr His Ile Leu Ala Leu
 130 135 140
 Ala Pro Arg Leu Leu Lys Asp Ser Gly Ser Ile Phe Leu Glu Val Asp
 145 150 155 160
 Pro Arg His Pro Xaa Leu Val Ser Ser Trp Leu Gln Ser Arg Pro Asp
 165 170 175
 Leu Tyr Leu Asn Leu Val Ala Val Arg Arg Asp Phe Cys Gly Arg Pro
 180 185 190
 Arg Phe Leu His Ile Arg Arg Ser Gly Pro
 195 200

<210> 262
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 262
 Leu Cys Ala Arg Pro Ser Cys Ser Tyr Thr Gly Ala Glu Asn Gln Gly
 1 5 10 15
 Gln Pro Arg Ser Pro Gly Trp Gly Ser Ser His Val Gly Trp Gly Trp
 20 25 30
 Gly Val Gly Ser Pro
 35

<210> 263
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 263
 Phe Leu Gly Ser Gln Glu Trp Ser Gly Leu Ala Pro Asp Leu Pro Asp
 1 5 10 15
 Gln Glu Glu Glu Gln Pro Val Gly Arg His Ser Cys Pro Asp Met Ser
 20 25 30

Gln Cys Ile Lys Arg
35

<210> 264

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 264

Gly	His	Gln	Pro	Val	Gly	Phe	Ser	Lys	His	Ala	Trp	Arg	Cys	Leu	Val
1				5					10					15	

Gly	Cys	Cys	Pro	Trp	Glu	Glu	Glu	Lys	Arg	Ser	Cys	His	Pro	Phe	Gly
			20					25					30		

Ala Xaa Leu Leu Trp
35

<210> 265

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 265

Val	Leu	Arg	Phe	Ala	Leu	Gln	Pro	Xaa	Val	Tyr	Glu	Asp	Pro	Ala	Ala
1				5					10					15	

Leu	Asp	Gly	Gly	Glu	Glu	Gly	Met	Asp	Ile	Xaa	Thr	His	Ile	Leu	Ala
			20					25					30		

Leu Ala Pro Arg Leu
35

<210> 266

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 266

Leu Lys Asp Ser Gly Ser Ile Phe Leu Glu Val Asp Pro Arg His Pro
1 5 10 15

Xaa Leu Val Ser Ser Trp Leu Gln Ser Arg Pro Asp Leu Tyr Leu Asn
20 25 30

Leu Val Ala Val Arg Arg Asp Phe Cys Gly Arg Pro Arg Phe Leu His
35 40 45

Ile Arg Arg Ser Gly Pro
50

<210> 267

<211> 19

<212> PRT

<213> Homo sapiens

<400> 267

Gln Glu Leu Leu Val Lys Ile Pro Leu Asp Met Val Ala Gly Phe Asn
1 5 10 15

Thr Pro Leu

<210> 268

<211> 26

<212> PRT

<213> Homo sapiens

<400> 268

Leu Arg Ile Gln Leu Leu His Lys Leu Ser Phe Leu Val Asn Ala Leu
1 5 10 15

Ala Lys Gln Val Met Asn Leu Leu Val Pro
20 25

<210> 269

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 269

His	Xaa	Ile	Trp	Leu	Lys	Val	Ile	Thr	Xaa	Asn	Ile	Leu	Gln	Leu	Gln
1				5					10					15	

Val	Lys	Pro	Ser
			20

<210> 270

<211> 58

<212> PRT

<213> Homo sapiens

<400> 270

Ala	Gly	Pro	Trp	Thr	Phe	Thr	Leu	Leu	Cys	Gly	Leu	Leu	Ala	Ala	Thr
1				5					10					15	

Leu	Ile	Gln	Ala	Thr	Leu	Ser	Pro	Thr	Ala	Val	Leu	Ile	Leu	Gly	Pro
			20					25						30	

Lys	Val	Ile	Lys	Glu	Lys	Leu	Thr	Gln	Glu	Leu	Lys	Asp	His	Asn	Ala
			35				40					45			

Thr	Ser	Ile	Leu	Gln	Gln	Leu	Pro	Leu	Leu
			50			55			

<210> 271

<211> 15

<212> PRT

<213> Homo sapiens

<400> 271

His	Phe	Ile	Ile	Thr	Leu	Thr	Thr	Phe	Phe	Thr	Asn	Tyr	Phe	Leu
1				5					10					15

<210> 272

<211> 99

<212> PRT

<213> Homo sapiens

<400> 272

Met	Lys	Ile	Thr	Phe	Gln	Asp	Leu	Phe	Pro	Met	Trp	Asn	Ser	Phe	Lys
1				5					10					15	

Cys	Phe	Leu	His	Gly	Asn	Val	Phe	Ser	Leu	Phe	Val	Leu	Phe	Pro	Leu
			20					25					30		

Leu Thr Cys Phe Ser Phe Pro Tyr Thr Val Asn Ser Gly Thr Lys Leu
 35 40 45

Asp Trp Val Gly Trp Leu Val Gly Trp Phe Phe Leu Glu Phe Met Tyr
 50 55 60

Ile Asn Lys Gly Phe Glu Val Thr Ser Glu Asn Asn Ile Ser Lys Arg
 65 70 75 80

Val Leu Val Arg Glu Asn Ile Arg Ile Lys Ser Ser Pro Glu Arg Val
 85 90 95

Leu Arg Met

<210> 273

<211> 19

<212> PRT

<213> Homo sapiens

<400> 273

Arg Phe Trp Gly Ser Tyr Glu Pro His Phe Ser Gln Glu Val Ser Val
 1 5 10 15

Ile Pro Pro

<210> 274

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 274

Ile Arg Gly Asn Tyr Phe Ser Gly Arg Lys Lys Ser Ser Ser Asp Thr
 1 5 10 15

Pro Lys Gly Ser Lys Asp Lys Ile Ser Val Trp Asn Arg Ser Gln Xaa
 20 25 30

Ala Cys Ile Arg Ile Cys Lys Val His Pro Asn Tyr Ile Gln Ile Tyr
 35 40 45

Leu Trp His Ser Ala Thr Ser Phe
 50 55

<210> 275

<211> 74

<212> PRT

<213> Homo sapiens

<400> 275

Ala Gly Asn Gln Val Glu Pro Phe His Val Ser Leu Pro Ser Cys Leu
1 5 10 15

Ser Pro Leu Pro His Leu Gly His Ser Met Gly Val Pro Ser Pro Thr
20 25 30

Ala Trp Pro Ser Leu Ala Ser Phe His Thr Gln Lys Lys Ala Arg Ile
35 40 45

Arg Gln Glu Glu Glu Ser Pro Pro Leu Pro Ser Pro Gln Glu Leu Ala
50 55 60

Phe Ser Ala Leu Arg Val Phe Phe Arg Val
65 70

<210> 276

<211> 38

<212> PRT

<213> Homo sapiens

<400> 276

Phe Ile Gln Gln Asn Ile Ser Phe Leu Leu Gly Tyr Ser Ile Pro Val
1 5 10 15

Gly Cys Val Gly Leu Ala Phe Phe Ile Phe Leu Phe Ala Thr Pro Val
20 25 30

Phe Ile Thr Lys Pro Pro
35

<210> 277

<211> 347

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (340)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (341)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 277

Val	Ser	Ala	His	His	Pro	Ser	Gly	Ala	Asp	Glu	Gly	Val	Thr	Ala	Xaa
1				5					10					15	
Gln	Ile	Leu	Pro	Thr	Glu	Glu	Tyr	Glu	Glu	Ala	Met	Ser	Thr	Met	Gln
			20					25					30		
Val	Ser	Gln	Leu	Asp	Leu	Phe	Arg	Leu	Leu	Asp	Gln	Asn	Arg	Asp	Gly
		35					40					45			
His	Leu	Gln	Leu	Arg	Glu	Val	Leu	Ala	Gln	Thr	Arg	Leu	Gly	Asn	Gly
	50					55					60				
Trp	Trp	Met	Thr	Pro	Glu	Ser	Ile	Gln	Glu	Met	Tyr	Ala	Ala	Ile	Lys
65					70					75					80
Ala	Asp	Pro	Asp	Gly	Asp	Gly	Val	Leu	Ser	Leu	Gln	Glu	Phe	Ser	Asn
				85					90					95	
Met	Asp	Leu	Arg	Asp	Phe	His	Lys	Tyr	Met	Arg	Ser	His	Lys	Ala	Glu
		100						105					110		
Ser	Ser	Glu	Leu	Val	Arg	Asn	Ser	His	His	Thr	Trp	Leu	Tyr	Gln	Gly
		115					120					125			
Glu	Gly	Ala	His	His	Ile	Met	Arg	Ala	Ile	Arg	Gln	Arg	Val	Leu	Arg
	130					135					140				
Leu	Thr	Arg	Leu	Ser	Pro	Glu	Ile	Val	Glu	Leu	Ser	Glu	Pro	Leu	Gln
145					150					155					160
Val	Val	Arg	Tyr	Gly	Glu	Gly	Gly	His	Tyr	His	Ala	His	Val	Asp	Ser
				165					170					175	
Gly	Pro	Val	Tyr	Pro	Glu	Thr	Ile	Cys	Ser	His	Thr	Lys	Leu	Val	Ala
		180						185					190		
Asn	Glu	Ser	Val	Pro	Phe	Glu	Thr	Ser	Cys	Arg	Tyr	Met	Thr	Val	Leu
		195					200					205			
Phe	Tyr	Leu	Asn	Asn	Val	Thr	Gly	Gly	Gly	Glu	Thr	Val	Phe	Pro	Val
	210					215					220				
Ala	Asp	Asn	Arg	Thr	Tyr	Asp	Glu	Met	Ser	Leu	Ile	Gln	Asp	Asp	Val
225					230					235					240
Asp	Leu	Arg	Asp	Thr	Arg	Arg	His	Cys	Asp	Lys	Gly	Asn	Leu	Arg	Val
				245					250					255	
Lys	Pro	Gln	Gln	Gly	Thr	Ala	Val	Phe	Trp	Tyr	Asn	Tyr	Leu	Pro	Asp
		260						265					270		
Gly	Gln	Gly	Trp	Val	Gly	Asp	Val	Asp	Asp	Tyr	Ser	Leu	His	Gly	Gly

275					280					285						
Cys	Leu	Val	Thr	Arg	Gly	Thr	Lys	Trp	Ile	Ala	Asn	Asn	Trp	Ile	Asn	
290					295					300						
Val	Asp	Pro	Ser	Arg	Ala	Arg	Gln	Ala	Leu	Phe	Gln	Gln	Glu	Met	Ala	
305					310					315					320	
Arg	Leu	Ala	Arg	Glu	Gly	Gly	Thr	Asp	Ser	Gln	Pro	Glu	Trp	Ala	Leu	
325					330					335						
Asp	Arg	Ala	Xaa	Xaa	Asp	Ala	Arg	Val	Glu	Leu						
340					345											

<210> 278
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 278
 Ala Val Phe Trp Tyr Asn
 1 5

<210> 279
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 279
 Thr Val Leu Phe Tyr Leu Asn Asn Val Thr Gly Gly Gly Glu Thr Val
 1 5 10 15

Phe Pro

<210> 280
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 280
 Asp Leu Phe Arg Leu Leu Asp Gln Asn Arg Asp Gly His Leu Gln Leu
 1 5 10 15

Arg Glu Val Leu Ala Gln Thr Arg Leu Gly Asn Gly Trp Trp Met Thr
 20 25 30

Pro Glu Ser Ile Gln Glu Met Tyr Ala Ala Ile Lys Ala Asp Pro Asp
 35 40 45

Gly Asp Gly Val Leu Ser Leu Gln Glu Phe Ser
 50 55

<210> 281

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 281

Val	Ser	Ala	His	His	Pro	Ser	Gly	Ala	Asp	Glu	Gly	Val	Thr	Ala	Xaa
1				5					10					15	

Gln	Ile	Leu	Pro	Thr	Glu	Glu	Tyr	Glu	Glu	Ala	Met	Ser	Thr	Met	Gln
			20					25					30		

Val	Ser	Gln	Leu	Asp	Leu
			35		

<210> 282

<211> 38

<212> PRT

<213> Homo sapiens

<400> 282

Phe	Arg	Leu	Leu	Asp	Gln	Asn	Arg	Asp	Gly	His	Leu	Gln	Leu	Arg	Glu
1				5					10					15	

Val	Leu	Ala	Gln	Thr	Arg	Leu	Gly	Asn	Gly	Trp	Trp	Met	Thr	Pro	Glu
			20					25					30		

Ser	Ile	Gln	Glu	Met	Tyr
			35		

<210> 283

<211> 38

<212> PRT

<213> Homo sapiens

<400> 283

Ala	Ala	Ile	Lys	Ala	Asp	Pro	Asp	Gly	Asp	Gly	Val	Leu	Ser	Leu	Gln
1				5					10					15	

Glu	Phe	Ser	Asn	Met	Asp	Leu	Arg	Asp	Phe	His	Lys	Tyr	Met	Arg	Ser
			20					25					30		

His	Lys	Ala	Glu	Ser	Ser
			35		

<210> 284
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 284
 Glu Leu Val Arg Asn Ser His His Thr Trp Leu Tyr Gln Gly Glu Gly
 1 5 10 15
 Ala His His Ile Met Arg Ala Ile Arg Gln Arg Val Leu Arg Leu Thr
 20 25 30
 Arg Leu Ser Pro Glu Ile
 35

<210> 285
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 285
 Val Glu Leu Ser Glu Pro Leu Gln Val Val Arg Tyr Gly Glu Gly Gly
 1 5 10 15
 His Tyr His Ala His Val Asp Ser Gly Pro Val Tyr Pro Glu Thr Ile
 20 25 30
 Cys Ser His Thr Lys Leu
 35

<210> 286
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 286
 Val Ala Asn Glu Ser Val Pro Phe Glu Thr Ser Cys Arg Tyr Met Thr
 1 5 10 15
 Val Leu Phe Tyr Leu Asn Asn Val Thr Gly Gly Gly Glu Thr Val Phe
 20 25 30
 Pro Val Ala Asp Asn Arg
 35

<210> 287
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 287
 Thr Tyr Asp Glu Met Ser Leu Ile Gln Asp Asp Val Asp Leu Arg Asp

1 5 10 15
 Thr Arg Arg His Cys Asp Lys Gly Asn Leu Arg Val Lys Pro Gln Gln
 20 25 30
 Gly Thr Ala Val Phe Trp
 35

<210> 288
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 288
 Tyr Asn Tyr Leu Pro Asp Gly Gln Gly Trp Val Gly Asp Val Asp Asp
 1 5 10 15
 Tyr Ser Leu His Gly Gly Cys Leu Val Thr Arg Gly Thr Lys Trp Ile
 20 25 30
 Ala Asn Asn Trp Ile Asn
 35

<210> 289
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 289
 Val Asp Pro Ser Arg Ala Arg Gln Ala Leu Phe Gln Gln Glu Met Ala
 1 5 10 15
 Arg Leu Ala Arg Glu Gly Gly Thr Asp Ser Gln Pro Glu Trp Ala Leu
 20 25 30
 Asp Arg Ala Xaa Xaa Asp Ala Arg Val Glu Leu
 35 40

<210> 290
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 290

Leu Leu Ala Asp Leu Met Arg Asn Tyr Asp Pro His Leu Arg Pro
 1 5 10 15

<210> 291

<211> 19

<212> PRT

<213> Homo sapiens

<400> 291

Ile Ser Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys Ser Leu Ile
 1 5 10 15

Phe Gln Ser

<210> 292

<211> 16

<212> PRT

<213> Homo sapiens

<400> 292

Ser Met Ala Arg Gly Val Arg Lys Val Phe Leu Arg Leu Leu Pro Gln
 1 5 10 15

<210> 293

<211> 18

<212> PRT

<213> Homo sapiens

<400> 293

Gln Ala Ser Pro Ala Ile Gln Ala Cys Val Asp Ala Cys Asn Leu Met
 1 5 10 15

Ala Arg

<210> 294

<211> 17

<212> PRT

<213> Homo sapiens

<400> 294

Tyr Asn Gln Val Pro Asp Leu Pro Phe Pro Gly Asp Pro Arg Pro Tyr
 1 5 10 15

Leu

<210> 295
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 295
 Cys Ser Ile Ser Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys
 1 5 10 15

<210> 296
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 296
 Val Leu Lys Tyr Ala Leu Phe Leu Val Leu Lys Asn Tyr Tyr Tyr Cys
 1 5 10 15

Pro Tyr

<210> 297
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 297
 Met Arg Glu Tyr Gly Val Glu Arg Asp Leu Ala Val Tyr Asn Gln Leu
 1 5 10 15

Leu Asn Ile Phe Pro Lys Glu Val Phe Arg Pro Arg Asn Ile Ile Gln
 20 25 30

Arg Ile Phe Val His Tyr Pro Arg Gln Gln Glu Cys Gly Ile Ala Val
 35 40 45

Leu Glu Gln Met Glu Asn His Gly Val Met Pro Asn Lys Glu Thr Glu
 50 55 60

Phe Leu Leu Ile Gln Ile Phe Gly Arg Lys Ser Tyr Pro Met Leu Lys
 65 70 75 80

Leu Val Arg Leu Lys Leu Trp Phe Pro Arg Phe Met Asn Val Asn Pro
 85 90 95

Phe Pro Val Pro Arg Asp Leu Pro Gln Asp Pro Val Glu Leu Ala Met
 100 105 110

Phe Gly Leu Arg His Met Glu Pro Asp Leu Ser Ala Arg Val Thr Ile
 115 120 125

Tyr Gln Val Pro Leu Pro Lys Asp Ser Thr Gly Ala Ala Asp Pro Pro
 130 135 140
 Gln Pro His Ile Val Gly Ile Gln Ser Pro Asp Gln Gln Ala Ala Leu
 145 150 155 160
 Ala Arg His Asn Pro Ala Arg Pro Val Phe Val Glu Gly Pro Phe Ser
 165 170 175
 Leu Trp Leu Arg Asn Lys Cys Val Tyr Tyr His Ile Leu Arg Ala Asp
 180 185 190
 Leu Leu Pro Pro Glu Glu Arg Glu Val Glu Glu Thr Pro Glu Glu Trp
 195 200 205
 Asn Leu Tyr Tyr Pro Met Gln Leu Asp Leu Glu Tyr Val Arg Ser Gly
 210 215 220
 Trp Asp Asn Tyr Glu Phe Asp Ile Asn Glu Val Glu Glu Gly Pro Val
 225 230 235 240
 Phe Ala Met Cys Met Ala Gly Ala His Asp Gln Ala Thr Met Ala Lys
 245 250 255
 Trp Ile Gln Gly Leu Gln Glu Thr Asn Pro Thr Leu Ala Gln Ile Pro
 260 265 270
 Val Val Phe Arg Leu Ala Gly Ser Thr Arg Glu Leu Gln Thr Ser Ser
 275 280 285
 Ala Gly Leu Glu Glu Pro Pro Leu Pro Glu Asp His Gln Glu Glu Asp
 290 295 300
 Asp Asn Leu Gln Arg Gln Gln Gln Gly Gln Ser
 305 310 315

<210> 298

<211> 19

<212> PRT

<213> Homo sapiens

<400> 298

Phe Gln Phe Gly Trp Ala Ser Thr Gln Ile Ser His Leu Ser Leu Ile
 1 5 10 15

Pro Glu Leu

<210> 299

<211> 14

<212> PRT

<213> Homo sapiens

<400> 299

Leu Arg Tyr Ala Phe Thr Val Val Ala Asn Ile Thr Val Tyr
 1 5 10

<210> 300

<211> 17

<212> PRT

<213> Homo sapiens

<400> 300

Phe Val Tyr Gly Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu
 1 5 10 15

Ala

<210> 301

<211> 17

<212> PRT

<213> Homo sapiens

<400> 301

Trp His Leu Val Gly Thr Val Cys Val Leu Leu Ser Phe Pro Phe Ile
 1 5 10 15

Phe

<210> 302

<211> 15

<212> PRT

<213> Homo sapiens

<400> 302

Gly His Phe Leu Asn Asp Leu Cys Ala Ser Met Trp Phe Thr Tyr
 1 5 10 15

<210> 303

<211> 40

<212> PRT

<213> Homo sapiens

<400> 303

Ala Ile Pro Leu Arg Val Leu Val Val Leu Trp Ala Phe Val Leu Gly
 1 5 10 15

Leu Ser Arg Val Met Leu Gly Arg His Asn Val Thr Asp Val Ala Phe
 20 25 30

Gly Phe Phe Leu Gly Tyr Met Gln

35

40

<210> 304
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 304
 Val Gly Leu Ser Arg Val Leu Gly Arg His Thr Asp Val
 1 5 10

<210> 305
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 305
 Ser Phe Tyr Lys Met Lys Arg Asn Ser Tyr Asp Arg Leu Arg Lys Val
 1 5 10 15

Val

<210> 306
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 306
 Leu His Gln Leu Arg Pro Pro His Arg Phe Pro Leu Ile Pro Pro Ala
 1 5 10 15

Ala Ala Glu Gly Ala Gly Ala Pro Pro Gly Cys Gly Tyr Cys Val Phe
 20 25 30

Trp Leu Leu Asn Pro Leu Pro
 35

<210> 307
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 307
 Met Pro Trp Lys Arg Ala Val Val Leu Leu Met Leu Trp Phe Ile Gly
 1 5 10 15

Gln Ala Met Trp Leu Ala Pro Ala Tyr Val Leu Glu Phe Gln Gly Lys
 20 25 30

Asn Thr Phe Leu Phe Ile Trp Leu Ala Gly Leu Phe Phe Leu Leu Ile

35 40 45
 Asn Cys Ser Ile Leu Ile Gln Ile Ile Ser His Tyr Lys Glu Glu Pro
 50 55 60

Leu Thr Glu Arg Ile Lys Tyr Asp
 65 70

<210> 308
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 308
 Ala Arg Ala Gln Pro Phe Ala Phe Gln Leu Arg Pro Ala Pro Gly Arg
 1 5 10 15

Pro Gly Ser Pro Val Ala
 20

<210> 309
 <211> 297
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (79)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (297)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 309
 Ala Gly Leu Pro Gly Ala Leu Thr Ala Pro Ala Xaa His His His Ala
 1 5 10 15

Asp Ser Arg Pro Ala Glu Leu Val Val Gln Pro Leu Ser Pro Pro Arg
 20 25 30

Pro Leu Leu Ser His Ala Gly Leu Ala Ser Ala Ala Gly Ala Ser Ser

35					40					45						
Leu	Xaa	Arg	Val	Pro	Gly	Glu	Ala	Glu	Ser	Leu	Cys	Ala	Leu	Ser	Pro	
50					55					60						
Gly	Ser	Ala	Leu	Arg	Phe	Pro	Ala	Ala	Ser	Cys	Ser	Arg	Pro	Xaa	Arg	
65					70					75					80	
Glu	Pro	Ser	Gly	Asp	Glu	Gly	Thr	Ala	Gly	Ala	Leu	Pro	Ser	Pro	Trp	
				85					90					95		
Leu	Ala	Ala	Leu	Gly	Pro	Gly	Gly	Arg	Pro	Ala	Val	Arg	Arg	Val	Leu	
			100					105					110			
Pro	Arg	Leu	Gly	Gly	Arg	Ala	Gly	Gln	Leu	Pro	Arg	Gly	Leu	Pro	Val	
		115					120					125				
Pro	Arg	Gly	Leu	Arg	His	Ala	Gly	Arg	Tyr	His	Leu	Leu	Arg	Leu	Leu	
	130					135					140					
Arg	Ala	Pro	Leu	Leu	Leu	Arg	Arg	Gly	Arg	Arg	Gln	Ala	Gly	Ala	Gly	
145					150					155					160	
Arg	Leu	His	Gln	Arg	Pro	Pro	Arg	Thr	Gly	Ala	Pro	Arg	His	His	Cys	
			165						170					175		
Ala	Ala	Cys	Leu	Arg	Pro	Leu	Ser	His	Arg	Arg	Leu	His	Leu	His	Cys	
			180						185				190			
Val	His	His	Pro	Gly	Leu	Cys	Ser	Gly	Tyr	Leu	Leu	Leu	His	Leu	Phe	
			195					200					205			
Glu	Thr	Gln	Gly	Ala	Leu	Ala	Ala	Ala	Asn	Pro	Leu	Leu	Thr	Pro	Gln	
	210					215					220					
Leu	Ser	Asp	Arg	Asp	Pro	Ala	His	Asp	Pro	Asp	Leu	His	Gln	Pro	Gln	
225					230					235					240	
Gly	Thr	Leu	Pro	Ala	Val	Gln	His	Ser	His	Glu	Leu	Gln	Leu	His	Arg	
				245					250					255		
Arg	Leu	His	Pro	Gln	Val	Leu	Leu	Ser	His	Leu	Val	Ser	Trp	Cys	His	
			260					265					270			
Pro	Ser	Ile	Ser	Leu	Thr	Pro	Phe	Ser	Arg	Ser	Pro	His	Trp	Leu	Gly	
		275					280					285				
Arg	Ala	Val	Gln	Thr	Phe	Ser	Ser	Xaa								
		290					295									

<210> 310

<211> 38

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 310
 Ala Gly Leu Pro Gly Ala Leu Thr Ala Pro Ala Xaa His His His Ala
 1 5 10 15
 Asp Ser Arg Pro Ala Glu Leu Val Val Gln Pro Leu Ser Pro Pro Arg
 20 25 30
 Pro Leu Leu Ser His Ala
 35

<210> 311
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 311
 Gly Leu Ala Ser Ala Ala Gly Ala Ser Ser Leu Xaa Arg Val Pro Gly
 1 5 10 15
 Glu Ala Glu Ser Leu Cys Ala Leu Ser Pro Gly Ser Ala Leu Arg Phe
 20 25 30
 Pro Ala Ala Ser Cys Ser Arg Pro
 35 40

<210> 312
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 312
 Xaa Arg Glu Pro Ser Gly Asp Glu Gly Thr Ala Gly Ala Leu Pro Ser
 1 5 10 15
 Pro Trp Leu Ala Ala Leu Gly Pro Gly Gly Arg Pro Ala Val Arg Arg
 20 25 30

Val Leu Pro Arg Leu Gly Gly Arg
 35 40

<210> 313
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 313
 Ala Gly Gln Leu Pro Arg Gly Leu Pro Val Pro Arg Gly Leu Arg His
 1 5 10 15

Ala Gly Arg Tyr His Leu Leu Arg Leu Leu Arg Ala Pro Leu Leu Leu
 20 25 30

Arg Arg Gly Arg Arg Gln Ala Gly
 35 40

<210> 314
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 314
 Ala Gly Arg Leu His Gln Arg Pro Pro Arg Thr Gly Ala Pro Arg His
 1 5 10 15

His Cys Ala Ala Cys Leu Arg Pro Leu Ser His Arg Arg Leu His Leu
 20 25 30

His Cys Val His His Pro Gly Leu
 35 40

<210> 315
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 315
 Cys Ser Gly Tyr Leu Leu Leu His Leu Phe Glu Thr Gln Gly Ala Leu
 1 5 10 15

Ala Ala Ala Asn Pro Leu Leu Thr Pro Gln Leu Ser Asp Arg Asp Pro
 20 25 30

Ala His Asp Pro Asp Leu His Gln
 35 40

<210> 316
 <211> 59
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 316

Pro Gln Gly Thr Leu Pro Ala Val Gln His Ser His Glu Leu Gln Leu
1 5 10 15

His Arg Arg Leu His Pro Gln Val Leu Leu Ser His Leu Val Ser Trp
20 25 30

Cys His Pro Ser Ile Ser Leu Thr Pro Phe Ser Arg Ser Pro His Trp
35 40 45

Leu Gly Arg Ala Val Gln Thr Phe Ser Ser Xaa
50 55

<210> 317

<211> 28

<212> PRT

<213> Homo sapiens

<400> 317

Val Ala His Thr Cys Asn Leu Ser Thr Leu Gly Gly Gln Gly Gly Arg
1 5 10 15

Ile Glu Arg Thr Ala Gly Gln Glu Phe Lys Thr Ser
20 25

<210> 318

<211> 115

<212> PRT

<213> Homo sapiens

<400> 318

His Tyr Lys Ser Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Arg Gly Arg
1 5 10 15

Val Asp Glu Val Leu Thr Asn Cys His Trp Thr Tyr Leu Lys Gln Asn
20 25 30

Arg Lys Met Ala Ala Asn Ser Ser Gly Gln Ala Leu His Ser Arg Asp
35 40 45

Pro Leu Leu Ile Arg Thr Ser Gly Ile Thr Leu Ser Ser Ser Ile Leu
50 55 60

Gln Pro Asn Arg Arg Gln Leu Cys Ser Met Leu Met His Ile His Leu
65 70 75 80

Asp Thr Ser Ser Leu Lys Thr Leu His Leu Gly Thr Leu Phe Phe Leu
 85 90 95

Phe Tyr Leu Ala Leu Thr Gln Asn Glu Glu Asn Ile Cys Asp Gly Lys
 100 105 110

Val Thr Leu
 115

<210> 319

<211> 19

<212> PRT

<213> Homo sapiens

<400> 319

Thr Ile Lys Met Gln Thr Glu Asn Leu Gly Val Val Tyr Tyr Val Asn
 1 5 10 15

Lys Asp Phe

<210> 320

<211> 13

<212> PRT

<213> Homo sapiens

<400> 320

Val Glu Glu Asp Tyr Val Thr Asn Ile Arg Asn Asn Cys
 1 5 10

<210> 321

<211> 7

<212> PRT

<213> Homo sapiens

<400> 321

Met Val Ser Asn Pro Pro Tyr
 1 5

<210> 322

<211> 5

<212> PRT

<213> Homo sapiens

<400> 322

His Ala Ser Glu Leu
 1 5

<210> 323

<211> 129

<212> PRT

<213> Homo sapiens

<400> 323

Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser
 1 5 10 15

Thr His Ala Ser Glu Leu Met Pro Ile Ile Val Leu Ile Leu Val Ser
 20 25 30

Leu Leu Ser Gln Leu Met Val Ser Asn Pro Pro Tyr Ser Leu Tyr Pro
 35 40 45

Arg Ser Gly Thr Gly Gln Thr Ile Lys Met Gln Thr Glu Asn Leu Gly
 50 55 60

Val Val Tyr Tyr Val Asn Lys Asp Phe Lys Asn Glu Tyr Lys Gly Met
 65 70 75 80

Leu Leu Gln Lys Val Glu Lys Ser Val Glu Glu Asp Tyr Val Thr Asn
 85 90 95

Ile Arg Asn Asn Cys Trp Lys Glu Arg Gln Gln Lys Thr Asp Met Gln
 100 105 110

Tyr Ala Ala Lys Val Tyr Arg Asp Asp Arg Leu Arg Arg Arg Gln Met
 115 120 125

Pro

<210> 324

<211> 35

<212> PRT

<213> Homo sapiens

<400> 324

Leu Val Ala Leu Asp Arg Met Glu Tyr Val Arg Thr Phe Arg Lys Arg
 1 5 10 15

Glu Asp Leu Arg Gly Arg Leu Phe Trp Val Ala Leu Asp Leu Leu Asp
 20 25 30

Leu Leu Asp
 35

<210> 325

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 325

Ser Val Ala Leu Phe Tyr Asn Phe Gly Lys Ser Trp Lys Ser Asp Pro
1 5 10 15

Gly Ile Ile Lys Xaa Thr Glu Glu Gln Lys Lys Lys Thr Ile Val Glu
20 25 30

Leu Ala Glu Thr Gly Ser Leu Asp Leu Ser Ile Phe Cys Ser Thr Cys
35 40 45

Leu Ile Arg Lys Pro Val Arg Ser Lys His Cys Gly Val Cys Asn Arg
50 55 60

Cys Ile Ala Lys Phe Asp His His Cys Pro Trp Val Gly Asn Cys Val
65 70 75 80

Gly Ala Gly Asn His Arg Tyr Phe
85

<210> 326

<211> 12

<212> PRT

<213> Homo sapiens

<400> 326

Phe Asp His His Cys Pro Trp Val Gly Asn Cys Val
1 5 10

<210> 327

<211> 20

<212> PRT

<213> Homo sapiens

<400> 327

Gln Met Tyr Gln Ile Ser Cys Leu Gly Ile Thr Thr Asn Glu Arg Met
1 5 10 15

Asn Ala Arg Arg
20

<210> 328

<211> 12

<212> PRT

<213> Homo sapiens

<400> 328

Arg Val Thr Ser Ser Leu Ala Met Leu Ser Asp Ser
1 5 10

<210> 329
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 329
 Ala Ile Glu Arg Phe Ile Glu Pro His Glu Met Gln Gln Pro Leu
 1 5 10 15

<210> 330
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 330
 Asn Ala Leu Val Phe Tyr Phe Ser Trp Lys Gly Cys Ser Glu Gly Asp
 1 5 10 15

 Phe Cys Val Asn Pro Cys Phe Pro Asp Pro Cys Lys Pro Phe Val Glu
 20 25 30

 Ile Ile Asn Ser Thr His Ala Ser Val Tyr Glu Ala Gly Pro Cys Trp
 35 40 45

Val

<210> 331
 <211> 307
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (148)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 331
 Ala Gly Ile Arg His Glu Arg Asn Arg Gly Arg Leu Leu Cys Met Leu
 1 5 10 15

 Ala Leu Thr Phe Met Phe Met Val Leu Glu Val Val Val Ser Arg Val
 20 25 30

 Thr Ser Ser Leu Ala Met Leu Ser Asp Ser Phe His Met Leu Ser Asp
 35 40 45

 Val Leu Ala Leu Val Val Ala Leu Val Ala Glu Arg Phe Ala Arg Arg
 50 55 60

 Thr His Ala Thr Gln Lys Asn Thr Phe Gly Trp Ile Arg Ala Glu Val
 65 70 75 80

Met Gly Ala Leu Val Asn Ala Ile Phe Leu Thr Gly Leu Cys Phe Ala
 85 90 95
 Ile Leu Leu Glu Ala Ile Glu Arg Phe Ile Glu Pro His Glu Met Gln
 100 105 110
 Gln Pro Leu Val Val Leu Gly Val Gly Val Ala Gly Leu Leu Val Asn
 115 120 125
 Val Leu Gly Leu Cys Leu Phe His His His Ser Gly Phe Ser Gln Asp
 130 135 140
 Ser Gly His Xaa His Ser His Gly Gly His Gly His Gly His Gly Leu
 145 150 155 160
 Pro Lys Gly Pro Arg Val Lys Ser Thr Arg Pro Gly Ser Ser Asp Ile
 165 170 175
 Asn Val Ala Pro Gly Glu Gln Gly Pro Asp Gln Glu Glu Thr Asn Thr
 180 185 190
 Leu Val Ala Asn Thr Ser Asn Ser Asn Gly Leu Lys Leu Asp Pro Ala
 195 200 205
 Asp Pro Glu Asn Pro Arg Ser Gly Asp Thr Val Glu Val Gln Val Asn
 210 215 220
 Gly Asn Leu Val Arg Glu Pro Asp His Met Glu Leu Glu Glu Asp Arg
 225 230 235 240
 Ala Gly Gln Leu Asn Met Arg Gly Val Phe Leu His Val Leu Gly Asp
 245 250 255
 Ala Leu Gly Ser Val Ile Val Val Val Asn Ala Leu Val Phe Tyr Phe
 260 265 270
 Ser Trp Lys Gly Cys Ser Glu Gly Asp Phe Cys Val Asn Pro Cys Phe
 275 280 285
 Pro Asp Pro Cys Lys Ala Phe Val Glu Ile Leu Ile Val Leu Met His
 290 295 300
 Gln Phe Met
 305

<210> 332

<211> 504

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (403)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 332

Ala	Gly	Ile	Arg	His	Glu	Arg	Asn	Arg	Gly	Arg	Leu	Leu	Cys	Met	Leu
1				5					10					15	

Ala	Leu	Thr	Phe	Met	Phe	Met	Val	Leu	Glu	Val	Val	Val	Ser	Arg	Val
			20					25					30		

Thr	Ser	Ser	Leu	Ala	Met	Leu	Ser	Asp	Ser	Phe	His	Met	Leu	Ser	Asp
		35					40					45			

Val	Leu	Ala	Leu	Val	Val	Ala	Leu	Val	Ala	Glu	Arg	Phe	Ala	Arg	Arg
	50					55					60				

Thr	His	Ala	Thr	Gln	Lys	Asn	Thr	Phe	Gly	Trp	Ile	Arg	Ala	Glu	Val
65					70					75					80

Met	Gly	Ala	Leu	Val	Asn	Ala	Ile	Phe	Leu	Thr	Gly	Leu	Cys	Phe	Ala
				85					90					95	

Ile	Leu	Leu	Glu	Ala	Ile	Glu	Arg	Phe	Ile	Glu	Pro	His	Glu	Met	Gln
			100					105					110		

Gln	Pro	Leu	Val	Val	Leu	Gly	Val	Gly	Val	Ala	Gly	Leu	Leu	Val	Asn
		115					120					125			

Val	Leu	Gly	Leu	Cys	Leu	Phe	His	His	His	Ser	Gly	Phe	Ser	Gln	Asp
	130					135					140				

Ser	Gly	His	Xaa	His	Ser	His	Gly	Gly	His	Gly	His	Gly	His	Gly	Leu
145					150					155					160

Pro	Lys	Gly	Pro	Arg	Val	Lys	Ser	Thr	Arg	Pro	Gly	Ser	Ser	Asp	Ile
				165					170					175	

Asn	Val	Ala	Pro	Gly	Glu	Gln	Gly	Pro	Asp	Gln	Glu	Glu	Thr	Asn	Thr
			180					185					190		

Leu	Val	Ala	Asn	Thr	Ser	Asn	Ser	Asn	Gly	Leu	Lys	Leu	Asp	Pro	Ala
		195					200					205			

Asp	Pro	Glu	Asn	Pro	Arg	Ser	Gly	Asp	Thr	Val	Glu	Val	Gln	Val	Asn
	210					215					220				

Gly	Asn	Leu	Val	Arg	Glu	Pro	Asp	His	Met	Glu	Leu	Glu	Glu	Asp	Arg
225					230					235					240

Ala	Gly	Gln	Leu	Asn	Met	Arg	Gly	Val	Phe	Leu	His	Val	Leu	Gly	Asp
				245					250					255	

Ala Leu Gly Ser Val Ile Val Val Val Asn Ala Leu Val Phe Tyr Phe
 260 265 270
 Ser Trp Lys Gly Cys Ser Glu Gly Asp Phe Cys Val Asn Pro Cys Phe
 275 280 285
 Pro Asp Pro Cys Lys Pro Phe Val Glu Ile Ile Asn Ser Thr His Ala
 290 295 300
 Ser Val Tyr Glu Ala Gly Pro Cys Trp Val Leu Tyr Leu Asp Pro Thr
 305 310 315 320
 Leu Cys Val Val Met Val Cys Ile Leu Leu Tyr Thr Thr Tyr Pro Leu
 325 330 335
 Leu Lys Glu Ser Ala Leu Ile Leu Leu Gln Thr Val Pro Lys Gln Ile
 340 345 350
 Asp Ile Arg Asn Leu Ile Lys Glu Leu Arg Asn Val Glu Gly Val Glu
 355 360 365
 Glu Val His Glu Leu His Val Trp Gln Leu Ala Gly Ser Arg Ile Ile
 370 375 380
 Ala Thr Ala His Ile Lys Cys Glu Asp Pro Thr Ser Tyr Met Glu Val
 385 390 395 400
 Ala Lys Xaa Ile Lys Asp Val Phe His Asn His Gly Ile His Ala Thr
 405 410 415
 Thr Ile Gln Pro Glu Phe Ala Ser Val Gly Ser Lys Ser Ser Val Val
 420 425 430
 Pro Cys Glu Leu Ala Cys Arg Thr Gln Cys Ala Leu Lys Gln Cys Cys
 435 440 445
 Gly Thr Leu Pro Gln Ala Pro Ser Gly Lys Asp Ala Glu Lys Thr Pro
 450 455 460
 Ala Val Ser Ile Ser Cys Leu Glu Leu Ser Asn Asn Leu Glu Lys Lys
 465 470 475 480
 Pro Arg Arg Thr Lys Ala Glu Asn Ile Pro Ala Val Val Ile Glu Ile
 485 490 495
 Lys Asn Met Pro Lys Gln Thr Thr
 500

<210> 333

<211> 254

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 333

Met	Phe	Thr	Phe	Ala	Ser	Met	Thr	Lys	Glu	Asp	Ser	Lys	Leu	Ile	Ala
1				5					10					15	

Leu	Ile	Trp	Pro	Ser	Glu	Trp	Gln	Met	Ile	Gln	Lys	Leu	Phe	Val	Val
			20				25						30		

Asp	His	Val	Ile	Lys	Ile	Thr	Arg	Ile	Glu	Val	Gly	Asp	Val	Asn	Pro
		35					40					45			

Ser	Glu	Thr	Gln	Tyr	Ile	Ser	Glu	Pro	Lys	Leu	Cys	Pro	Glu	Cys	Arg
	50					55					60				

Glu	Gly	Leu	Leu	Cys	Gln	Gln	Gln	Arg	Asp	Leu	Arg	Glu	Tyr	Thr	Gln
65					70					75					80

Ala	Thr	Ile	Tyr	Val	His	Lys	Val	Val	Asp	Asn	Lys	Lys	Val	Met	Lys
				85					90					95	

Asp	Ser	Ala	Pro	Glu	Leu	Asn	Val	Ser	Ser	Ser	Glu	Thr	Glu	Glu	Asp
			100					105					110		

Lys	Glu	Glu	Ala	Lys	Pro	Asp	Gly	Glu	Lys	Asp	Pro	Asp	Phe	Asn	Gln
	115						120					125			

Ser	Xaa	Gly	Gly	Thr	Lys	Arg	Gln	Lys	Ile	Ser	His	Gln	Asn	Tyr	Ile
130						135					140				

Ala	Tyr	Gln	Lys	Gln	Val	Ile	Arg	Arg	Ser	Met	Arg	His	Arg	Lys	Val
145					150					155					160

Arg	Gly	Glu	Lys	Ala	Leu	Leu	Val	Ser	Ala	Asn	Gln	Thr	Leu	Lys	Glu
				165					170					175	

Leu	Lys	Ile	Gln	Ile	Met	His	Ala	Phe	Ser	Val	Ala	Pro	Phe	Asp	Gln
		180						185						190	

Asn	Leu	Ser	Ile	Asp	Gly	Lys	Ile	Leu	Ser	Asp	Asp	Cys	Ala	Thr	Leu
	195						200					205			

Gly	Thr	Leu	Gly	Val	Ile	Pro	Glu	Ser	Val	Ile	Leu	Leu	Lys	Ala	Asp
210						215					220				

Glu	Pro	Ile	Ala	Asp	Tyr	Ala	Ala	Met	Asp	Asp	Val	Met	Gln	Val	Cys
225					230					235					240

Met	Pro	Glu	Glu	Gly	Phe	Lys	Gly	Thr	Gly	Leu	Leu	Gly	His		
				245					250						

<210> 334
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 334
 Ser Ala Pro Glu Leu Asn Val Ser Ser Ser Glu Thr Glu Glu Asp Lys
 1 5 10 15
 Glu Glu Ala Lys Pro
 20

<210> 335
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 335
 Lys Glu Leu Lys Ile Gln Ile Met His Ala Phe Ser Val Ala Pro Phe
 1 5 10 15
 Asp Gln

<210> 336
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 336
 Phe Gln Asp Lys Asn Arg Pro Cys Leu Ser Asn Trp Pro Glu Asp Thr
 1 5 10 15
 Asp Val Leu Tyr Ile Val Ser Gln Phe Phe Val Glu Glu Trp Arg Lys
 20 25 30
 Phe Val Arg Lys Pro Thr Arg Cys Ser Pro Val Ser Ser Val Gly Asn
 35 40 45
 Ser Ala Leu Leu Cys Pro His Gly Gly Leu
 50 55

<210> 337
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 337
 Met Phe Thr Phe Ala Ser Met Thr Lys Glu Asp Ser Lys Leu Ile Ala
 1 5 10 15
 Leu Ile Trp Pro Ser Glu Trp Gln Met Ile Gln Lys Leu Phe Val Val

	20		25		30
Asp His Val Ile Lys Ile Thr Arg Ile Glu					
	35		40		

<210> 338
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 338
 Val Gly Asp Val Asn Pro Ser Glu Thr Gln Tyr Ile Ser Glu Pro Lys
 1 5 10 15
 Leu Cys Pro Glu Cys Arg Glu Gly Leu Leu Cys Gln Gln Gln Arg Asp
 20 25 30
 Leu Arg Glu Tyr Thr Gln Ala Thr Ile Tyr
 35 40

<210> 339
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 339
 Val His Lys Val Val Asp Asn Lys Lys Val Met Lys Asp Ser Ala Pro
 1 5 10 15
 Glu Leu Asn Val Ser Ser Ser Glu Thr Glu Glu Asp Lys Glu Glu Ala
 20 25 30
 Lys Pro Asp Gly Glu Lys Asp Pro Asp Phe
 35 40

<210> 340
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 340
 Asn Gln Ser Xaa Gly Gly Thr Lys Arg Gln Lys Ile Ser His Gln Asn
 1 5 10 15
 Tyr Ile Ala Tyr Gln Lys Gln Val Ile Arg Arg Ser Met Arg His Arg
 20 25 30

Lys Val Arg Gly Glu Lys Ala Leu Leu Val
 35 40

<210> 341
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 341
 Ser Ala Asn Gln Thr Leu Lys Glu Leu Lys Ile Gln Ile Met His Ala
 1 5 10 15

Phe Ser Val Ala Pro Phe Asp Gln Asn Leu Ser Ile Asp Gly Lys Ile
 20 25 30

Leu Ser Asp Asp Cys Ala Thr Leu Gly Thr
 35 40

<210> 342
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 342
 Leu Gly Val Ile Pro Glu Ser Val Ile Leu Leu Lys Ala Asp Glu Pro
 1 5 10 15

Ile Ala Asp Tyr Ala Ala Met Asp Asp Val Met Gln Val Cys Met Pro
 20 25 30

Glu Glu Gly Phe Lys Gly Thr Gly Leu Leu Gly His
 35 40

<210> 343
 <211> 312
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (188)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 343
 Phe Gln Asp Lys Asn Arg Pro Cys Leu Ser Asn Trp Pro Glu Asp Thr
 1 5 10 15

Asp Val Leu Tyr Ile Val Ser Gln Phe Phe Val Glu Glu Trp Arg Lys
 20 25 30

Phe Val Arg Lys Pro Thr Arg Cys Ser Pro Val Ser Ser Val Gly Asn
 35 40 45

Ser Ala Leu Leu Cys Pro His Gly Gly Leu Met Phe Thr Phe Ala Ser
 50 55 60
 Met Thr Lys Glu Asp Ser Lys Leu Ile Ala Leu Ile Trp Pro Ser Glu
 65 70 75 80
 Trp Gln Met Ile Gln Lys Leu Phe Val Val Asp His Val Ile Lys Ile
 85 90 95
 Thr Arg Ile Glu Val Gly Asp Val Asn Pro Ser Glu Thr Gln Tyr Ile
 100 105 110
 Ser Glu Pro Lys Leu Cys Pro Glu Cys Arg Glu Gly Leu Leu Cys Gln
 115 120 125
 Gln Gln Arg Asp Leu Arg Glu Tyr Thr Gln Ala Thr Ile Tyr Val His
 130 135 140
 Lys Val Val Asp Asn Lys Lys Val Met Lys Asp Ser Ala Pro Glu Leu
 145 150 155 160
 Asn Val Ser Ser Ser Glu Thr Glu Glu Asp Lys Glu Glu Ala Lys Pro
 165 170 175
 Asp Gly Glu Lys Asp Pro Asp Phe Asn Gln Ser Xaa Gly Gly Thr Lys
 180 185 190
 Arg Gln Lys Ile Ser His Gln Asn Tyr Ile Ala Tyr Gln Lys Gln Val
 195 200 205
 Ile Arg Arg Ser Met Arg His Arg Lys Val Arg Gly Glu Lys Ala Leu
 210 215 220
 Leu Val Ser Ala Asn Gln Thr Leu Lys Glu Leu Lys Ile Gln Ile Met
 225 230 235 240
 His Ala Phe Ser Val Ala Pro Phe Asp Gln Asn Leu Ser Ile Asp Gly
 245 250 255
 Lys Ile Leu Ser Asp Asp Cys Ala Thr Leu Gly Thr Leu Gly Val Ile
 260 265 270
 Pro Glu Ser Val Ile Leu Leu Lys Ala Asp Glu Pro Ile Ala Asp Tyr
 275 280 285
 Ala Ala Met Asp Asp Val Met Gln Val Cys Met Pro Glu Glu Gly Phe
 290 295 300
 Lys Gly Thr Gly Leu Leu Gly His
 305 310

<210> 344

<211> 18

<212> PRT

<213> Homo sapiens

<400> 344

Arg Gly Glu Arg Ser Glu Glu Leu Leu Gly Arg Glu Gly Leu Ser Gly
 1 5 10 15

Ser Gln

<210> 345

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (177)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 345

Ala Glu Ala Ala Glu Gly Glu Lys Gly Val Arg Ser Cys Trp Ala Glu
 1 5 10 15

Arg Asp Cys Pro Ala Pro Arg Cys Trp Ala Ser Trp Gly Ala Gln Pro
 20 25 30

Ser Trp Asp Gly Ser Gln Val Leu Leu Trp Arg Ser Cys Cys Cys Cys
 35 40 45

Cys Cys Trp Pro Pro Ala Phe Ser Thr Asp Gly Arg Thr Val Thr Trp
 50 55 60

Arg Gly Thr Val Gln Leu Gln Gly Glu Thr Glu Ser Ala Gly Pro Ser
 65 70 75 80

Leu Gly Pro Ser Gly Gly Gly Ala Thr Trp Glu Ser Phe Thr Ile Thr
 85 90 95

Val Ile Leu Ala Thr Tyr Leu Met Cys Arg Met Trp Ala Ser Thr Thr
 100 105 110

Thr Thr Thr Pro Ala Thr Xaa Leu Thr Thr Xaa Thr Thr Thr Thr
 115 120 125

Pro Thr Ala Thr Ile Pro Ala Thr Leu Ala Glu Ala Ala Val Ala Gly
 130 135 140

Ala Cys Gly Gln Gln Leu Pro Leu Pro Ser His Leu Phe Pro Gly Gln
 145 150 155 160

Val Asp Pro Met Phe Pro Cys Gly Arg Met His Leu Trp Gly Glu Arg
 165 170 175

Xaa Glu Gln

<210> 346
 <211> 268
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (141)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 346
 Gly Gly Gln Asp Gly His Phe Thr Ser Thr Cys Val Leu Ala Leu Pro
 1 5 10 15

Arg His Ala Cys His Phe Trp Gly Ser Leu Gly Val Thr Val Thr Arg
 20 25 30

Arg Ala Val Gln Pro Arg Lys Ser Thr Leu Ala Leu His Ser Pro Asn
 35 40 45

Pro Ser Ala Leu Gln Thr Gln Cys Ser Ser Ile Leu Cys Cys His Ser
 50 55 60

Thr Leu Gly His Ala Met Gln Met Gln Leu Glu Gln Ala Pro Val Tyr
 65 70 75 80

Cys Ser Xaa Arg Ser Pro Gln Arg Cys Ile Leu Pro His Gly Asn Met
 85 90 95

Gly Ser Thr Cys Pro Gly Asn Arg Trp Glu Gly Arg Gly Ser Cys Cys
 100 105 110

Pro Gln Ala Pro Ala Thr Ala Ala Ser Ala Ser Val Ala Gly Met Val
 115 120 125
 Ala Val Gly Val Val Val Val Val Xaa Val Val Arg Xaa Val Ala Gly
 130 135 140
 Val Val Val Val Val Glu Ala His Ile Arg His Met Arg Tyr Val Ala
 145 150 155 160
 Arg Met Thr Val Met Val Lys Asp Ser Gln Val Ala Pro Pro Pro Glu
 165 170 175
 Gly Pro Arg Leu Gly Pro Ala Asp Ser Val Ser Pro Cys Ser Cys Thr
 180 185 190
 Val Pro Leu His Val Thr Val Leu Pro Ser Val Glu Lys Ala Gly Gly
 195 200 205
 Gln Gln Gln Gln Gln Gln Gln Asp Arg His Ser Ser Thr Cys Asp Pro
 210 215 220
 Ser His Glu Gly Cys Ala Pro Gln Glu Ala Gln His Leu Gly Ala Gly
 225 230 235 240
 Gln Ser Leu Ser Ala Gln Gln Leu Leu Thr Pro Phe Ser Pro Ser Ala
 245 250 255
 Ala Ser Ala Gln Pro Ser Gln Ser Leu Asn Phe Val
 260 265

<210> 347
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 347
 Phe His Gly Leu Gly Arg Leu His Thr Val His Leu
 1 5 10

<210> 348
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 348
 Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu Ser Asp
 1 5 10 15

Asn Ala Gln Leu Arg
 20

<210> 349

<211> 9

<212> PRT

<213> Homo sapiens

<400> 349

Ala Phe Arg Gly Leu His Ser Leu Asp

1 5

<210> 350

<211> 12

<212> PRT

<213> Homo sapiens

<400> 350

His Glu Val Pro Asp Ala Pro Arg Pro Thr Pro Thr

1 5 10

<210> 351

<211> 101

<212> PRT

<213> Homo sapiens

<400> 351

Met Val Val Ala Asp Arg Asn Arg Ala Ser Ser Ser Ser Tyr Leu Cys

1 5 10 15

Leu Leu Leu Phe Ser Leu Ser Leu Phe Leu Cys His Glu Thr Val Cys

20 25 30

Asp Arg Ala Thr Cys Leu Phe Phe Phe Leu Lys Phe Phe Phe Leu Phe

35 40 45

Met Cys Arg Cys Met Ser Trp Gly Phe Lys Asn Phe Lys Ala Gly Leu

50 55 60

Leu Met Gln Ser Met Pro Thr Ser Gly Ile Leu Arg Glu Arg Lys Arg

65 70 75 80

Leu His Val Val Arg Ile Pro Gln Gly Thr Glu Lys Lys Leu Glu Thr

85 90 95

Val Glu Met Gln Ile

100

<210> 352

<211> 12

<212> PRT

<213> Homo sapiens

<400> 352

Ile Pro Gln Gly Thr Glu Lys Lys Leu Glu Thr Val

1 5 10

<210> 353

<211> 37

<212> PRT

<213> Homo sapiens

<400> 353

Asn Pro Arg Leu Pro Leu Pro Arg Gly Gly Ser Leu Arg Leu Leu Ser
1 5 10 15

Ser Pro Ala Asn Ser Asn Asn Ala Lys Ala Tyr Pro Phe Ser Arg Phe
20 25 30

Pro Ser Pro Ile Phe
35

<210> 354

<211> 48

<212> PRT

<213> Homo sapiens

<400> 354

Met Val Gln Glu Ala Pro Ala Leu Val Arg Leu Ser Leu Gly Ser His
1 5 10 15

Arg Val Lys Gly Pro Leu Pro Val Leu Lys Leu Gln Pro Glu Gly Trp
20 25 30

Ser Pro Ser Thr Leu Trp Ser Cys Ala Ser Val Trp Lys Asp Ser Cys
35 40 45

<210> 355

<211> 122

<212> PRT

<213> Homo sapiens

<400> 355

Ala Leu Ala Ser Ser Leu Val Ala Glu Asn Gln Gly Phe Val Ala Ala
1 5 10 15

Leu Met Val Gln Glu Ala Pro Ala Leu Val Arg Leu Ser Leu Gly Ser
20 25 30

His Arg Val Lys Gly Pro Leu Pro Val Leu Lys Leu Gln Pro Glu Gly
35 40 45

Trp Ser Pro Ser Thr Leu Trp Ser Cys Ala Ser Val Trp Lys Asp Ser
50 55 60

Cys Met His Pro Trp Arg Leu Ser Met Cys Pro Ala Cys Val Leu Ala
 65 70 75 80

Ala Leu Pro Ala Leu Cys Ser Cys Leu Cys Ser Pro Asp Ala Arg Pro
 85 90 95

Pro His Gly Trp Met Ser Met Pro Phe Thr Pro His Pro Leu Val Ser
 100 105 110

Arg Ala Met Pro Thr Cys His Pro Cys Ser
 115 120

<210> 356

<211> 33

<212> PRT

<213> Homo sapiens

<400> 356

Phe Tyr Phe Ile Thr Leu Ile Phe Phe Leu Ala Trp Leu Val Lys Asn
 1 5 10 15

Val Phe Ile Ala Val Ile Ile Glu Thr Phe Ala Glu Ile Arg Val Gln
 20 25 30

Phe

<210> 357

<211> 15

<212> PRT

<213> Homo sapiens

<400> 357

Ser Ile Phe Thr Val Tyr Glu Ala Ala Ser Gln Glu Gly Trp Val
 1 5 10 15

<210> 358

<211> 21

<212> PRT

<213> Homo sapiens

<400> 358

His Glu Gly Thr Ser Ile Phe Thr Val Tyr Glu Ala Ala Ser Gln Glu
 1 5 10 15

Gly Trp Val Phe Leu
 20

<210> 359

<211> 8

<212> PRT

<213> Homo sapiens

<400> 359

Cys Lys Thr Ser Phe Gly Leu Ala

1 5

<210> 360

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 360

Met Ile Thr Leu Ser Ser Ala Phe Ser Ala Lys Gln Lys Thr His Ala
1 5 10 15

His Lys Asn Thr His Ala Cys Met Cys Ala Thr Asp Met Ala Asn Pro
20 25 30

Lys Leu Val Leu His Phe Glu Val Ile Val Ala Leu Leu Ser Leu Leu
35 40 45

Gln Thr Ile Leu Ser Leu Leu Leu Gly Gln Arg Thr Trp Leu Ala His
50 55 60

Leu Tyr Val Leu Ser Thr Glu Asn Xaa Ala Leu His Thr Val Gly Thr
65 70 75 80

Gln Lys His Leu Leu Pro His Asp Trp Cys Phe Gly Lys His Cys Val
85 90 95

Ser Cys Arg His His Ile Phe His Arg Phe Cys Ser Ile Phe Ser Ser
100 105 110

Thr Leu Lys Arg Ser Gln Gly Phe Glu Gly
115 120

<210> 361

<211> 13

<212> PRT

<213> Homo sapiens

<400> 361

Cys Ala Ala Pro Gly Asn Lys Thr Ser His Leu Ala Ala

1 5 10

<210> 362

<211> 24
 <212> PRT
 <213> Homo sapiens

<400> 362
 Glu His Pro Leu Tyr Arg Ala Gly His Leu Ile Leu Gln Asp Arg Ala
 1 5 10 15
 Ser Cys Leu Pro Ala Met Leu Leu
 20

<210> 363
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 363
 Leu Leu Asp Pro Ser Cys Ser Gly Ser Gly Met Pro Ser Arg Gln
 1 5 10 15

<210> 364
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 364
 Tyr Ser Thr Cys Ser Leu Cys Gln Glu Glu Asn Glu Asp Val Val Arg
 1 5 10 15
 Asp Ala Leu Gln Gln Asn Pro
 20

<210> 365
 <211> 470
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (277)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (296)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (301)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (306)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (324)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (431)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 365
 Ser Ala Thr Glu His Gly Ala Val Cys Cys Ser Cys Arg Arg Val Gly
 1 5 10 15
 Arg Arg Gly Glu Pro Pro Gly Ser Ile Lys Gly Leu Val Tyr Ser Ser
 20 25 30
 Asn Phe Gln Asn Val Lys Gln Leu Tyr Ala Leu Val Cys Glu Thr Gln
 35 40 45
 Arg Tyr Ser Ala Val Leu Asp Ala Val Ile Ala Ser Ala Gly Leu Leu
 50 55 60
 Arg Ala Glu Lys Lys Leu Arg Pro His Leu Ala Lys Val Leu Val Tyr
 65 70 75 80
 Glu Leu Leu Leu Gly Lys Gly Phe Arg Gly Gly Gly Gly Arg Trp Lys
 85 90 95
 Ala Leu Leu Gly Arg His Gln Ala Arg Leu Lys Ala Glu Leu Ala Arg
 100 105 110
 Leu Lys Val His Arg Gly Val Ser Arg Asn Glu Asp Leu Leu Glu Val
 115 120 125
 Gly Ser Arg Pro Gly Pro Ala Ser Gln Leu Pro Arg Phe Val Arg Val
 130 135 140
 Asn Thr Leu Lys Thr Cys Ser Asp Asp Val Val Asp Tyr Phe Lys Arg
 145 150 155 160
 Gln Gly Phe Ser Tyr Gln Gly Arg Ala Ser Ser Leu Asp Asp Leu Arg
 165 170 175
 Ala Leu Lys Gly Lys His Phe Leu Leu Asp Pro Leu Met Pro Glu Leu
 180 185 190
 Leu Val Phe Pro Ala Gln Thr Asp Leu His Glu His Pro Leu Tyr Arg
 195 200 205

Ala	Gly	His	Leu	Ile	Leu	Gln	Asp	Arg	Ala	Ser	Cys	Leu	Pro	Ala	Met	
210						215					220					
Leu	Leu	Asp	Pro	Pro	Pro	Gly	Ser	His	Val	Ile	Asp	Ala	Cys	Ala	Ala	
225					230					235					240	
Pro	Gly	Asn	Lys	Thr	Ser	His	Leu	Ala	Ala	Leu	Leu	Lys	Asn	Gln	Gly	
				245					250					255		
Lys	Ile	Phe	Ala	Phe	Asp	Leu	Asp	Ala	Lys	Arg	Leu	Ala	Ser	Met	Ala	
			260					265						270		
Thr	Leu	Leu	Ala	Xaa	Ala	Gly	Val	Ser	Cys	Cys	Glu	Leu	Ala	Glu	Glu	
			275				280							285		
Asp	Phe	Leu	Ala	Val	Ser	Pro	Xaa	Asp	Pro	Arg	Tyr	Xaa	Glu	Val	His	
	290					295					300					
Tyr	Xaa	Leu	Leu	Asp	Pro	Ser	Cys	Ser	Gly	Ser	Gly	Met	Pro	Ser	Arg	
305					310					315					320	
Gln	Leu	Glu	Xaa	Pro	Gly	Ala	Gly	Thr	Pro	Ser	Pro	Val	Arg	Leu	His	
				325					330					335		
Ala	Leu	Ala	Gly	Phe	Gln	Gln	Arg	Ala	Leu	Cys	His	Ala	Leu	Thr	Phe	
			340					345						350		
Pro	Ser	Leu	Gln	Arg	Leu	Val	Tyr	Ser	Thr	Cys	Ser	Leu	Cys	Gln	Glu	
		355					360						365			
Glu	Asn	Glu	Asp	Val	Val	Arg	Asp	Ala	Leu	Gln	Gln	Asn	Pro	Gly	Ala	
	370					375						380				
Phe	Arg	Leu	Ala	Pro	Ala	Leu	Pro	Ala	Trp	Pro	His	Arg	Gly	Leu	Ser	
385					390					395					400	
Thr	Phe	Pro	Gly	Ala	Glu	His	Cys	Leu	Arg	Ala	Ser	Pro	Glu	Thr	Thr	
				405					410					415		
Leu	Ser	Ser	Gly	Phe	Phe	Val	Ala	Val	Ile	Glu	Arg	Val	Glu	Xaa	Pro	
			420					425						430		
Ser	Ser	Ala	Ser	Gln	Ala	Lys	Ala	Ser	Ala	Pro	Glu	Arg	Thr	Pro	Ser	
		435					440					445				
Pro	Ala	Pro	Lys	Arg	Lys	Lys	Arg	Gln	Gln	Arg	Ala	Ala	Ala	Gly	Ala	
	450					455					460					
Cys	Thr	Pro	Pro	Cys	Thr											
465					470											

<210> 366

<211> 429

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (236)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (255)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (260)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (265)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (418)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 366

Tyr	Glu	Pro	His	Ser	Thr	His	Ser	Arg	Glu	Arg	Ala	Met	Thr	Ser	His
1				5					10					15	

Ala	Arg	Val	Ser	Leu	Gly	Pro	Ser	Arg	Asp	Pro	Leu	Glu	Arg	Pro	His
			20					25					30		

Leu	Ala	Lys	Val	Leu	Val	Tyr	Glu	Leu	Leu	Leu	Gly	Lys	Gly	Phe	Arg
		35						40				45			

Gly	Gly	Gly	Gly	Arg	Trp	Lys	Ala	Leu	Leu	Gly	Arg	His	Gln	Ala	Arg
		50				55					60				

Leu	Lys	Ala	Glu	Leu	Ala	Arg	Leu	Lys	Val	His	Arg	Gly	Val	Ser	Arg
65					70					75					80

Asn	Glu	Asp	Leu	Leu	Glu	Val	Gly	Ser	Arg	Pro	Gly	Pro	Ala	Ser	Gln
			85						90					95	

Leu	Pro	Arg	Phe	Val	Arg	Val	Asn	Thr	Leu	Lys	Thr	Cys	Ser	Asp	Asp
		100					105						110		

Val	Val	Asp	Tyr	Phe	Lys	Arg	Gln	Gly	Phe	Ser	Tyr	Gln	Gly	Arg	Ala
		115					120					125			

Ser	Ser	Leu	Asp	Asp	Leu	Arg	Ala	Leu	Lys	Gly	Lys	His	Phe	Leu	Leu
		130				135					140				

Asp	Pro	Leu	Met	Pro	Glu	Leu	Leu	Val	Phe	Pro	Ala	Gln	Thr	Asp	Leu
145					150					155					160
His	Glu	His	Pro	Leu	Tyr	Arg	Ala	Gly	His	Leu	Ile	Leu	Gln	Asp	Arg
				165					170					175	
Ala	Ser	Cys	Leu	Pro	Ala	Met	Leu	Leu	Asp	Pro	Pro	Pro	Gly	Ser	His
			180					185					190		
Val	Ile	Asp	Ala	Cys	Ala	Ala	Pro	Gly	Asn	Lys	Thr	Ser	His	Leu	Ala
		195					200					205			
Ala	Leu	Leu	Lys	Asn	Gln	Gly	Lys	Ile	Phe	Ala	Phe	Asp	Leu	Asp	Ala
	210					215						220			
Lys	Arg	Leu	Ala	Ser	Met	Ala	Thr	Leu	Leu	Ala	Xaa	Ala	Gly	Val	Ser
225					230					235					240
Cys	Cys	Glu	Leu	Ala	Glu	Glu	Asp	Phe	Leu	Ala	Val	Ser	Pro	Xaa	Asp
				245					250					255	
Pro	Arg	Tyr	Xaa	Glu	Val	His	Tyr	Xaa	Leu	Leu	Asp	Pro	Ser	Cys	Ser
			260					265						270	
Gly	Ser	Gly	Met	Pro	Ser	Arg	Gln	Leu	Glu	Glu	Pro	Gly	Ala	Gly	Thr
		275					280						285		
Pro	Ser	Pro	Val	Arg	Leu	His	Ala	Leu	Ala	Gly	Phe	Gln	Gln	Arg	Ala
	290					295					300				
Leu	Cys	His	Ala	Leu	Thr	Phe	Pro	Ser	Leu	Gln	Arg	Leu	Val	Tyr	Ser
305					310					315					320
Thr	Cys	Ser	Leu	Cys	Gln	Glu	Glu	Asn	Glu	Asp	Val	Val	Arg	Asp	Ala
				325					330					335	
Leu	Gln	Gln	Asn	Pro	Gly	Ala	Phe	Arg	Leu	Ala	Pro	Ala	Leu	Pro	Ala
			340					345					350		
Trp	Pro	His	Arg	Gly	Leu	Ser	Thr	Phe	Pro	Gly	Ala	Glu	His	Cys	Leu
		355					360					365			
Arg	Ala	Ser	Pro	Glu	Thr	Thr	Leu	Ser	Ser	Gly	Phe	Phe	Val	Ala	Val
	370					375					380				
Ile	Glu	Arg	Val	Glu	Val	Pro	Ser	Ser	Ala	Ser	Gln	Ala	Lys	Ala	Ser
385					390					395					400
Ala	Pro	Glu	Arg	Thr	Pro	Ser	Pro	Ala	Pro	Lys	Arg	Lys	Lys	Arg	Gln
				405					410					415	
Gln	Xaa	Ala	Ala	Ala	Gly	Ala	Cys	Thr	Pro	Pro	Cys	Thr			
			420					425							

<210> 367

<211> 245

<212> PRT

<213> Homo sapiens

<400> 367

Met Gly Thr His Ser Val Ser Gly Arg Phe Ser Lys Thr Ser Pro Pro
 1 5 10 15

Tyr Cys Pro Pro Ser Ser Ser Leu Pro Gly Pro Ile Ser Ser Ile Gly
 20 25 30

Phe Asn Lys Ser Leu His Glu Cys Leu Phe Ile Ser Glu Lys Glu Leu
 35 40 45

Leu Pro Leu Pro Phe Pro Phe Pro Asp Leu Lys Ser Phe Ile Ser Tyr
 50 55 60

Leu Thr Ser Met Leu Lys Pro Gly Pro Leu Ile Val Ser Leu Lys Ile
 65 70 75 80

Trp Val Ser Tyr Pro Ile Thr Arg Pro Arg Tyr Leu Pro Pro Met Leu
 85 90 95

Lys Ser Leu Asn Ile Ser Phe Leu Tyr Ile Gln Tyr Ile Trp Ala Tyr
 100 105 110

Ile His Leu Tyr Thr Ser Phe Tyr Ile Tyr Ile Ile Ser Val Ser Phe
 115 120 125

Phe Leu Asp Lys Pro Phe Ile Tyr Val Ile Ser Phe Pro Lys Pro Pro
 130 135 140

His Phe Leu Phe Ala Ser Leu Ser Lys Thr Gln Glu Phe His Phe His
 145 150 155 160

Val Pro Gln His His Phe Phe Leu Ile Phe Ser Pro Gln Val Ser Ser
 165 170 175

Pro Ile Ser Cys Phe Ala Arg Leu Leu Lys Ser Pro Leu Phe Thr Pro
 180 185 190

Val Pro Thr Glu Ile Ser Pro Phe Tyr Asn Cys Ala Tyr Tyr Ser Ala
 195 200 205

Asp Ile Pro Ser Pro Gln Leu Val Trp Gly Pro Ile Ser His Gln Thr
 210 215 220

Trp Leu Leu Leu Lys Leu Gly Leu Leu Pro Lys Arg Gly Phe Gln Val
 225 230 235 240

Arg Gly Asp Arg Leu
 245

<210> 368
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 368
 Cys Phe Ala Arg Leu Leu Lys Ser Pro Leu Phe Thr Pro Val Pro Thr
 1 5 10 15
 Glu Ile Ser Pro Phe Tyr Asn Cys Ala Tyr Tyr Ser Ala
 20 25

<210> 369
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 369
 Asn Arg Glu Gln Lys Ala Lys Ser Gln Leu Leu Arg Ser Gln Leu Tyr
 1 5 10 15
 Ser Thr Leu Asp Leu Pro Tyr Phe Phe Gln Cys Val Gly Thr Arg Cys
 20 25 30
 Thr Ala Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys Xaa Tyr
 35 40 45
 Leu Pro Ile His Trp Gln Val Asn Leu His Leu Val Tyr Leu Ala Met
 50 55 60
 Leu Cys Phe Leu Pro Ile Pro Leu Leu Ser Ile Leu Ser Pro Gln Thr
 65 70 75 80
 Gln Ala Ser Arg Leu Leu Asp Glu Thr Val Arg Arg Lys His Phe Leu
 85 90 95
 Thr Tyr Pro Phe Gly Ile Ser Ser Ile Ile Thr Gln Ala Leu Leu
 100 105 110

<210> 370
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 370
 Pro Gly Pro Glu Ala Gln Pro Trp Pro Gly Pro Asp Leu Pro Ala Val
 1 5 10 15

Gly Ser Arg Gly Pro Gly Arg Leu Leu Ala Ala Val Ser Ala Pro Arg
 20 25 30

Leu Gly Leu Gly Leu Ala Gly Ala Asp Pro Val Gly Pro Glu Ala Cys
 35 40 45

His Leu Pro
 50

<210> 371

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 371

Gly Arg Leu Arg Gly Pro Asp Glu Val Gly Ala Pro Phe His Pro Gly
 1 5 10 15

Pro Ala Thr Pro Gly Leu Ala Asp Pro Leu Arg Pro Ala Glu Pro Xaa
 20 25 30

His Trp Leu Pro Ser Leu Trp Gly Pro Thr
 35 40

<210> 372

<211> 19

<212> PRT

<213> Homo sapiens

<400> 372

Pro Gly Pro Glu Ala Gln Pro Trp Pro Gly Pro Asp Leu Pro Ala Val
 1 5 10 15

Gly Ser Arg

<210> 373

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 373

Ala Thr Pro Gly Leu Ala Asp Pro Leu Arg Pro Ala Glu Pro Xaa His
 1 5 10 15

Trp Leu Pro

<210> 374

<211> 251

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (210)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (241)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 374

Gln Trp Pro Glu Lys Asp Pro Val Met Ala Ala Ser Ser Ile Ser Ser
 1 5 10 15

Pro Trp Gly Lys His Val Phe Lys Ala Ile Leu Met Val Leu Val Ala
 20 25 30

Leu Ile Leu Leu His Ser Ala Leu Ala Gln Ser Arg Arg Asp Phe Ala
 35 40 45

Pro Pro Gly Gln Gln Lys Arg Glu Ala Pro Val Asp Val Leu Thr Gln
 50 55 60

Ile Gly Arg Ser Val Arg Gly Thr Leu Asp Ala Trp Ile Gly Pro Glu
 65 70 75 80

Thr Met His Leu Val Ser Glu Ser Ser Ser Gln Val Leu Trp Ala Ile
 85 90 95

Ser Ser Ala Ile Ser Val Ala Phe Phe Ala Leu Ser Gly Ile Ala Ala
 100 105 110

Gln Leu Leu Asn Ala Leu Gly Leu Ala Gly Asp Tyr Leu Ala Gln Gly
 115 120 125

Leu Lys Leu Ser Pro Gly Gln Val Gln Thr Phe Leu Leu Trp Gly Ala
 130 135 140

Gly Ala Leu Val Val Tyr Trp Leu Leu Ser Leu Leu Leu Gly Leu Val
 145 150 155 160

Leu Ala Leu Leu Gly Arg Ile Leu Trp Gly Leu Lys Leu Val Ile Phe
 165 170 175

Leu Ala Gly Phe Val Ala Leu Met Arg Ser Val Pro Asp Pro Ser Thr
 180 185 190
 Arg Ala Leu Leu Leu Leu Ala Leu Leu Ile Leu Tyr Ala Leu Leu Ser
 195 200 205
 Arg Xaa Thr Gly Ser Arg Ala Ser Gly Ala Gln Leu Glu Ala Lys Val
 210 215 220
 Arg Gly Leu Glu Arg Gln Val Glu Glu Leu Arg Trp Arg Gln Arg Gln
 225 230 235 240
 Xaa Ala Lys Gly Ala Arg Ser Val Glu Glu Glu
 245 250

<210> 375
 <211> 116
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 <213> Homo sapiens

<220>
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<400> 375
 Glu Xaa Pro Arg Xaa Ile Xaa Gly Xaa Asn Ala Pro Gln Val Pro Val
 1 5 10 15
 Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Arg Val Arg Ser Leu
 20 25 30
 Val Phe Val Leu Phe Cys Asp Glu Val Arg Gln Trp Tyr Val Asn Gly
 35 40 45
 Val Asn Tyr Phe Thr Asp Leu Trp Asn Val Met Asp Thr Leu Gly Leu
 50 55 60

Phe Tyr Phe Ile Ala Gly Ile Val Phe Arg Leu His Ser Ser Asn Lys
 65 70 75 80

Ser Ser Leu Tyr Ser Gly Arg Val Ile Phe Cys Leu Asp Tyr Ile Ile
 85 90 95

Phe Thr Leu Arg Leu Ile His Ile Phe Thr Val Ser Arg Asn Leu Gly
 100 105 110

Pro Lys Ile Ile
 115

<210> 376

<211> 12

<212> PRT

<213> Homo sapiens

<400> 376

Asn Ile Leu Leu Val Asn Leu Leu Val Ala Met Phe
 1 5 10

<210> 377

<211> 10

<212> PRT

<213> Homo sapiens

<400> 377

Gln Val Trp Lys Phe Gln Arg Tyr Phe Leu
 1 5 10

<210> 378

<211> 316

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 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 378
 Glu Xaa Pro Arg Xaa Ile Xaa Gly Xaa Asn Ala Pro Gln Val Pro Val
 1 5 10 15
 Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Arg Val Arg Ser Leu
 20 25 30

Val	Phe	Val	Leu	Phe	Cys	Asp	Glu	Val	Arg	Gln	Trp	Tyr	Val	Asn	Gly	35	40	45
Val	Asn	Tyr	Phe	Thr	Asp	Leu	Trp	Asn	Val	Met	Asp	Thr	Leu	Gly	Leu	50	55	60
Phe	Tyr	Phe	Ile	Ala	Gly	Ile	Val	Phe	Arg	Leu	His	Ser	Ser	Asn	Lys	65	70	75
Ser	Ser	Leu	Tyr	Ser	Gly	Arg	Val	Ile	Phe	Cys	Leu	Asp	Tyr	Ile	Ile	85	90	95
Phe	Thr	Leu	Arg	Leu	Ile	His	Ile	Phe	Thr	Val	Ser	Arg	Asn	Leu	Gly	100	105	110
Pro	Lys	Ile	Ile	Met	Leu	Gln	Arg	Met	Leu	Ile	Asp	Val	Xaa	Xaa	Phe	115	120	125
Leu	Phe	Leu	Phe	Ala	Val	Trp	Met	Val	Ala	Phe	Gly	Val	Ala	Xaa	Gln	130	135	140
Gly	Ile	Leu	Arg	Gln	Asn	Glu	Gln	Arg	Trp	Arg	Trp	Ile	Phe	Arg	Ser	145	150	155
Val	Ile	Tyr	Glu	Pro	Xaa	Leu	Ala	Met	Phe	Gly	Gln	Val	Pro	Ser	Xaa	165	170	175
Val	Asp	Gly	Thr	Thr	Tyr	Asp	Phe	Ala	His	Cys	Thr	Phe	Thr	Gly	Asn	180	185	190
Glu	Ser	Lys	Pro	Leu	Cys	Val	Xaa	Leu	Asp	Glu	His	Asn	Leu	Pro	Arg	195	200	205
Phe	Pro	Glu	Trp	Ile	Thr	Ile	Pro	Leu	Val	Cys	Ile	Tyr	Met	Leu	Ser	210	215	220
Thr	Asn	Ile	Leu	Leu	Val	Asn	Leu	Leu	Val	Ala	Met	Phe	Gly	Tyr	Thr	225	230	235
Val	Gly	Thr	Val	Gln	Glu	Asn	Asn	Asp	Gln	Val	Trp	Lys	Phe	Gln	Arg	245	250	255
Tyr	Phe	Leu	Val	Gln	Glu	Tyr	Cys	Ser	Arg	Leu	Asn	Ile	Pro	Phe	Pro	260	265	270
Phe	Ile	Val	Phe	Ala	Tyr	Phe	Tyr	Met	Val	Val	Lys	Lys	Cys	Phe	Lys	275	280	285
Cys	Cys	Cys	Lys	Glu	Xaa	Asn	Xaa	Glu	Ser	Ser	Val	Cys	Cys	Ser	Lys	290	295	300
Met	Xaa	Thr	Met	Arg	Leu	Trp	His	Gly	Arg	Val	Ser					305	310	315

<210> 379
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 379
 Met Glu Phe Gln Asn Met Tyr Ile Gln Leu Phe Gly Phe Ser Phe Phe
 1 5 10 15
 Ile Val Ile Ile Val Arg Met Leu Leu Leu Gly Leu Cys Val Ser Ala
 20 25 30
 Arg Gln Pro Val Met Pro Arg Ala Thr Leu Trp Gly His Leu Ser Pro
 35 40 45
 Ala Trp Val Leu Val Pro Trp Thr Pro Arg Ala Cys Gly Gln Ala Ala
 50 55 60
 Pro Gly Arg Gly His Val Ala Ser Asp His Lys Ser Gly Leu Pro Trp
 65 70 75 80
 Pro Lys His Cys Ser Cys Leu His Pro Arg Ala Ser Gln Pro Cys Leu
 85 90 95
 Phe Ser Leu Asn Ser Asn Arg Thr Val Phe Thr Ala Ile Gln Arg Val
 100 105 110
 Ala Leu Gly Trp Thr Phe Trp Val Gln Ala Asn Leu Val Pro Arg Cys
 115 120 125
 Thr

<210> 380
 <211> 417
 <212> PRT
 <213> Homo sapiens

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 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (348)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (402)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 380

Leu	Leu	Leu	Cys	Val	Thr	Gly	Val	Tyr	Ser	Tyr	Gly	Leu	Met	His	Pro
1				5					10					15	

Ile	Pro	Ser	Ser	Phe	Met	Ile	Lys	Ala	Val	Ser	Ser	Phe	Leu	Thr	Ala
			20					25					30		

Glu	Glu	Ala	Ser	Val	Gly	Asn	Pro	Glu	Gly	Ala	Phe	Met	Lys	Val	Leu
		35					40					45			

Gln	Ala	Arg	Lys	Asn	Xaa	Thr	Ser	Thr	Glu	Leu	Ile	Val	Glu	Pro	Glu
	50					55					60				

Glu	Pro	Ser	Asp	Ser	Ser	Gly	Ile	Asn	Leu	Ser	Gly	Phe	Gly	Ser	Glu
65					70					75					80

Gln	Leu	Asp	Thr	Asn	Asp	Glu	Ser	Asp	Xaa	Ile	Ser	Thr	Leu	Ser	Tyr
				85					90					95	

Ile	Leu	Pro	Tyr	Phe	Ser	Ala	Val	Asn	Leu	Asp	Val	Xaa	Ser	Xaa	Leu
			100					105					110		

Leu	Pro	Phe	Ile	Lys	Leu	Pro	Thr	Xaa	Gly	Asn	Ser	Leu	Ala	Lys	Ile
		115					120					125			

Gln	Thr	Val	Gly	Gln	Asn	Xaa	Gln	Xaa	Val	Xaa	Arg	Val	Leu	Met	Gly
	130					135					140				

Pro	Arg	Ser	Ile	Gln	Lys	Arg	His	Phe	Lys	Glu	Val	Gly	Arg	Gln	Ser
145					150					155					160

Ile	Arg	Arg	Glu	Gln	Gly	Ala	Gln	Ala	Ser	Val	Glu	Asn	Ala	Ala	Glu
				165					170						175

Glu	Lys	Arg	Leu	Gly	Ser	Pro	Ala	Pro	Arg	Glu	Xaa	Glu	Gln	Pro	His
			180					185					190		

Thr	Gln	Gln	Gly	Pro	Glu	Lys	Leu	Ala	Gly	Asn	Ala	Xaa	Tyr	Thr	Lys
		195					200					205			

Pro	Ser	Phe	Thr	Gln	Glu	His	Lys	Ala	Ala	Val	Ser	Val	Leu	Xaa	Pro
	210					215					220				

Phe	Ser	Lys	Gly	Ala	Pro	Ser	Thr	Ser	Ser	Pro	Ala	Lys	Ala	Leu	Pro
225					230					235					240

Gln	Val	Arg	Asp	Arg	Trp	Lys	Asp	Xaa	Thr	His	Xaa	Ile	Ser	Ile	Leu
245				250				255							
Glu	Ser	Ala	Lys	Ala	Arg	Val	Thr	Asn	Met	Lys	Ala	Ser	Lys	Pro	Ile
260				265				270							
Ser	His	Ser	Arg	Lys	Lys	Tyr	Arg	Phe	His	Lys	Thr	Arg	Ser	Arg	Met
275				280				285							
Thr	His	Arg	Thr	Pro	Lys	Val	Lys	Lys	Ser	Pro	Lys	Phe	Arg	Lys	Lys
290				295				300							
Ser	Tyr	Leu	Ser	Arg	Leu	Met	Leu	Ala	Asn	Arg	Pro	Pro	Phe	Ser	Ala
305				310				315				320			
Ala	Xaa	Ser	Leu	Ile	Asn	Ser	Pro	Ser	Gln	Gly	Ala	Phe	Ser	Ser	Leu
325				330				335							
Gly	Asp	Leu	Ser	Pro	Gln	Glu	Asn	Pro	Phe	Leu	Xaa	Val	Ser	Ala	Pro
340				345				350							
Ser	Glu	His	Phe	Ile	Glu	Thr	Thr	Asn	Ile	Lys	Asp	Thr	Thr	Ala	Arg
355				360				365							
Asn	Ala	Leu	Glu	Glu	Asn	Val	Phe	Met	Glu	Asn	Thr	Asn	Met	Pro	Glu
370				375				380							
Val	Thr	Ile	Ser	Glu	Asn	Thr	Asn	Tyr	Asn	His	Pro	Pro	Glu	Ala	Asp
385				390				395				400			
Ser	Xaa	Gly	Thr	Ala	Phe	Asn	Leu	Gly	Pro	Thr	Val	Lys	Gln	Thr	Glu
405				410				415							

Thr

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<210> 381
<211> 94
<212> PRT
<213> Homo sapiens
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<400> 381
Cys Phe Ser Asn Ala Pro Lys Val Ser Asp Glu Ala Val Lys Lys Asp
1 5 10 15

Ser Glu Leu Asp Lys His Leu Glu Ser Arg Val Glu Glu Ile Met Glu
20 25 30

Lys Ser Gly Glu Glu Gly Met Pro Asp Leu Ala His Val Met Arg Ile

35 40 45
 Leu Ser Ala Glu Asn Ile Pro Asn Leu Pro Pro Gly Gly Gly Leu Ala
 50 55 60
 Gly Xaa Arg Asn Val Ile Glu Ala Val Tyr Ser Arg Leu Asn Pro His
 65 70 75 80
 Arg Glu Ser Asp Gly Gly Ala Gly Asp Leu Glu Asp Pro Trp
 85 90

<210> 382
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 382
 Cys Phe Ser Asn Ala Pro Lys Val Ser Asp Glu Ala Val Lys Lys Asp
 1 5 10 15
 Ser Glu Leu Asp Lys His Leu Glu Ser Arg Val Glu Glu Ile Met Glu
 20 25 30
 Lys Ser Gly Glu Glu Gly Met Pro Asp Leu Ala His Val Met Arg Ile
 35 40 45
 Leu Ser Ala Glu Asn Ile Pro Asn
 50 55

<210> 383
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 383
 Arg Asn Val Ile Glu Ala Val Tyr Ser Arg Leu Asn Pro His Arg Glu
 1 5 10 15
 Ser Asp Gly Gly Ala Gly Asp Leu Glu Asp
 20 25

<210> 384
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 384
 Asp Ser Glu Leu Asp Lys His Leu Glu Ser Arg Val Glu Glu Ile Met
 1 5 10 15

<210> 385
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 385
 Lys Ser Gly Glu Glu Gly Met Pro Asp Leu Ala His Val Met Arg Ile
 1 5 10 15
 Leu Ser Ala Glu Asn Ile Pro Asn
 20

<210> 386
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 386
 Cys Phe Ser Asn Ala Pro Lys Val Ser
 1 5

<210> 387
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 387
 Met Ser Arg Lys Ser Leu Ala Phe Pro Ile Ile Cys Ser Tyr Leu Cys
 1 5 10 15
 Phe Leu Thr Val Ala Thr Cys Ser Ile Ala Cys Thr Thr Val Phe Phe
 20 25 30
 Ala Asn Leu Arg His Thr Arg Tyr Ile Cys Ile Glu Leu Ser Ala Leu
 35 40 45
 Glu Thr Ser Gly Val Ile Ser Pro Gln Ile Asn Asn Val Pro Glu Val
 50 55 60
 His Gly Lys Tyr Ser
 65

<210> 388
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 388
 Ile Gln Lys Met Thr Arg Val Arg Val Val Asp Asn Ser Ala Leu Gly
 1 5 10 15

<210> 389

<211> 14

<212> PRT

<213> Homo sapiens

<400> 389

Pro Arg Cys Ile His Val Tyr Lys Lys Asn Gly Val Gly Lys
1 5 10

<210> 390

<211> 15

<212> PRT

<213> Homo sapiens

<400> 390

Gly Asp Gln Ile Leu Leu Ala Ile Lys Gly Gln Lys Lys Lys Ala
1 5 10 15

<210> 391

<211> 15

<212> PRT

<213> Homo sapiens

<400> 391

Asn Pro Val Gly Thr Arg Ile Lys Thr Pro Ile Pro Thr Ser Leu
1 5 10 15

<210> 392

<211> 171

<212> PRT

<213> Homo sapiens

<220>

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<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 392

Val Leu Ile Pro Ser Phe Ser Ser Ser Phe Leu Cys Ser Arg Gly Gly
1 5 10 15

Pro Leu Pro Xaa Asp Leu Ser Trp Asp Pro Met Ala Phe Phe Thr Gly
20 25 30

Leu Trp Gly Pro Phe Thr Cys Val Ser Arg Val Leu Ser His His Cys
35 40 45

Phe Ser Thr Thr Gly Ser Leu Ser Ala Ile Gln Lys Met Thr Arg Val
 50 55 60
 Arg Val Val Asp Asn Ser Ala Leu Gly Asn Ser Pro Tyr His Arg Ala
 65 70 75 80
 Pro Arg Cys Ile His Val Tyr Lys Lys Asn Gly Val Gly Lys Val Gly
 85 90 95
 Asp Gln Ile Leu Leu Ala Ile Lys Gly Gln Lys Lys Lys Ala Leu Ile
 100 105 110
 Val Gly His Cys Met Pro Gly Pro Arg Met Thr Pro Arg Phe Asp Ser
 115 120 125
 Asn Asn Val Val Leu Ile Glu Asp Asn Gly Asn Pro Val Gly Thr Arg
 130 135 140
 Ile Lys Thr Pro Ile Pro Thr Ser Leu Arg Lys Arg Glu Gly Glu Tyr
 145 150 155 160
 Ser Lys Val Leu Ala Ile Ala Gln Asn Phe Val
 165 170

<210> 393

<211> 171

<212> PRT

<213> Homo sapiens

<400> 393

Ala Arg Val Val Gln Pro Ala Ala Arg Ala Gly Met Trp Ala Gly Gly
 1 5 10 15
 Arg Ser Ser Cys Gln Ala Glu Val Leu Arg Ala Thr Arg Gly Gly Ala
 20 25 30
 Ala Arg Gly Asn Ala Ala Pro Gly Arg Ala Leu Glu Met Val Pro Gly
 35 40 45
 Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro Ala Cys Val Ala
 50 55 60
 Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe Gln Val Leu Ser
 65 70 75 80
 Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro Ala Lys Asp Phe
 85 90 95
 Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His Leu Val Pro Ala
 100 105 110
 Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly Phe Phe Ile Gln
 115 120 125

Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser Phe Leu Ser Lys
 130 135 140

Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val Ile Ile Ser Asp
 145 150 155 160

Asn Ala Leu Thr Met Thr Ala Ser Thr Trp Arg
 165 170

<210> 394

<211> 188

<212> PRT

<213> Homo sapiens

<400> 394

Met Val Pro Gly Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro
 1 5 10 15

Ala Cys Val Ala Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe
 20 25 30

Gln Val Leu Ser Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro
 35 40 45

Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His
 50 55 60

Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly
 65 70 75 80

Phe Phe Ile Gln Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser
 85 90 95

Phe Leu Ser Lys Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val
 100 105 110

Ile Ile Ser Asp Asn Ala Val Asp Asn Asp Ser Phe Tyr Val Glu Met
 115 120 125

Ile Gln Asp Ser Thr Gln Arg Thr Ala Asp Ile Pro Ala Leu Phe Leu
 130 135 140

Leu Gly Arg Asp Gly Tyr Met Ile Arg Arg Ser Leu Glu Gln His Gly
 145 150 155 160

Leu Pro Trp Ala Ile Ile Ser Ile Pro Val Asn Val Thr Ser Ile Pro
 165 170 175

Thr Phe Glu Leu Leu Gln Pro Pro Trp Thr Phe Trp
 180 185

<210> 395

<211> 70

<212> PRT

<213> Homo sapiens

<400> 395

Val	Asp	Asn	Asp	Ser	Phe	Tyr	Val	Glu	Met	Ile	Gln	Asp	Ser	Thr	Gln
1				5					10					15	
Arg	Thr	Ala	Asp	Ile	Pro	Ala	Leu	Phe	Leu	Leu	Gly	Arg	Asp	Gly	Tyr
			20					25					30		
Met	Ile	Arg	Arg	Ser	Leu	Glu	Gln	His	Gly	Leu	Pro	Trp	Ala	Ile	Ile
		35					40					45			
Ser	Ile	Pro	Val	Asn	Val	Thr	Ser	Ile	Pro	Thr	Phe	Glu	Leu	Leu	Gln
	50					55					60				
Pro	Pro	Trp	Thr	Phe	Trp										
65					70										

<210> 396

<211> 187

<212> PRT

<213> Homo sapiens

<400> 396

Ile	Ala	Thr	Ala	Ala	Leu	Phe	Phe	Phe	Phe	Tyr	Cys	Gln	Val	Ala	Gly
1				5					10					15	
Phe	Ile	Gly	Lys	Gly	Gln	Ser	Leu	Arg	Ser	Trp	Val	Pro	Gln	Arg	Leu
			20					25					30		
Leu	Gly	Leu	Glu	Pro	Gln	Leu	Gln	Pro	Met	Gln	Gln	Ser	Arg	Leu	Leu
		35					40					45			
Leu	Pro	Phe	Leu	Phe	Phe	Leu	Leu	Glu	Gly	Cys	Ala	Pro	Ser	Ser	Leu
	50					55					60				
Gly	Pro	Gly	Ala	Ala	Pro	Gly	Ser	Gly	His	Ser	Leu	Gly	Pro	Pro	Gly
65					70				75						80
Ser	Pro	Gly	Ala	Pro	Gly	Pro	Gln	Pro	Ala	Val	Gly	Pro	Ser	Ser	Pro
			85					90						95	
Cys	Gln	Pro	Gly	Pro	Ser	Pro	Ser	Ser	Pro	Ala	Ala	Ala	Ala	Ala	Ser
		100						105					110		
Ser	Gln	Ser	Ser	Val	Ala	Ser	Trp	Pro	Cys	Thr	Leu	Arg	Cys	Ala	Ala
	115						120					125			
Pro	Ser	Pro	Asp	Ala	Ser	Ala	Leu	Arg	Pro	Ala	Ala	Ser	Pro	Ala	Ala
	130					135					140				
Thr	Pro	Ala	Trp	Ser	Pro	Gly	Ser	Gly	Thr	Ile	Arg	Val	Leu	Arg	Pro
145					150					155					160

Pro Ala Pro Ala Ala Ala Pro Ala Thr Ala Ile Thr Asn Arg Gly Pro
 165 170 175

Pro Arg Arg Arg Arg Arg Asn Ala Arg Thr Ala
 180 185

<210> 397

<211> 194

<212> PRT

<213> Homo sapiens

<400> 397

Glu Arg Pro Pro Pro Arg Arg Thr Gly Thr Pro Val Ala Arg Pro Arg
 1 5 10 15

Gly Pro Pro Asp Pro Ala Val Ala Ala Gly Thr Ala Leu Arg Ala Lys
 20 25 30

Gln Phe Ala Arg Tyr Gly Ala Ala Ser Gly Val Val Pro Gly Ser Leu
 35 40 45

Trp Pro Ser Pro Glu Gln Leu Arg Glu Leu Glu Ala Glu Glu Arg Glu
 50 55 60

Trp Tyr Pro Ser Leu Ala Thr Met Gln Glu Ser Leu Arg Val Lys Gln
 65 70 75 80

Leu Ala Glu Glu Gln Lys Arg Arg Glu Arg Glu Gln His Ile Ala Glu
 85 90 95

Cys Met Ala Lys Met Pro Gln Met Ile Val Asn Trp Gln Gln Gln Gln
 100 105 110

Arg Glu Asn Trp Glu Lys Ala Gln Ala Asp Lys Glu Arg Arg Ala Arg
 115 120 125

Leu Gln Ala Glu Ala Gln Glu Leu Leu Gly Tyr Gln Val Asp Pro Arg
 130 135 140

Ser Ala Arg Phe Gln Glu Leu Leu Gln Asp Leu Glu Lys Lys Glu Arg
 145 150 155 160

Asn Pro Gln Gly Gly Lys Thr Glu Thr Glu Glu Gly Gly Ala Thr Ala
 165 170 175

Ala Leu Ala Ala Ala Val Ala Gln Asp Pro Ala Ala Ser Gly Ala Pro
 180 185 190

Ser Ser

<210> 398

<211> 124
 <212> PRT
 <213> Homo sapiens

<400> 398

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Met Gln Glu Ser Leu Arg Val Lys Gln Leu Ala Glu Glu Gln Lys Arg
 1              5              10              15

Arg Glu Arg Glu Gln His Ile Ala Glu Cys Met Ala Lys Met Pro Gln
              20              25              30

Met Ile Val Asn Trp Gln Gln Gln Gln Arg Glu Asn Trp Glu Lys Ala
              35              40              45

Gln Ala Asp Lys Glu Arg Arg Ala Arg Leu Gln Ala Glu Ala Gln Glu
 50              55              60

Leu Leu Gly Tyr Gln Val Asp Pro Arg Ser Ala Arg Phe Gln Glu Leu
 65              70              75              80

Leu Gln Asp Leu Glu Lys Lys Glu Arg Lys Arg Leu Lys Glu Glu Lys
              85              90              95

Gln Lys Arg Lys Lys Glu Ala Arg Ala Ala Ala Leu Ala Ala Ala Val
              100              105              110

Ala Gln Asp Pro Ala Ala Ser Gly Ala Pro Ser Ser
              115              120

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<210> 399
 <211> 113
 <212> PRT
 <213> Homo sapiens

<400> 399

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Tyr Gln Ser Leu Ala Glu Thr Gln Gln Lys Lys Glu Asn Phe Arg Pro
 1              5              10              15

Ile Ser Leu Lys Asn Thr Asp Ala Lys Ile Leu Asn Lys Ile Leu Ala
              20              25              30

Asn Gln Ile Gln Gln His Ile Lys Lys Leu Ile His Asn Asp Arg Val
              35              40              45

Gly Phe Ile Pro Glu Met Gln Gly Trp Phe Asn Ile Cys Lys Ser Ile
 50              55              60

Asn Ile Val His His Ile Asn Arg Thr Lys Asp Lys Asn His Met Ile
 65              70              75              80

Ile Ser Ile Asp Ala Glu Lys Ala Phe Asp Lys Ile Arg Gln Ser Phe
              85              90              95

Met Leu Lys Thr Leu Asn Lys Leu Gly Ile His Gly Met Tyr Leu Gly

```

100

105

110

Arg

<210> 400

<211> 101

<212> PRT

<213> Homo sapiens

<400> 400

Lys Lys Glu Asn Phe Arg Pro Ile Ser Leu Lys Asn Thr Asp Ala Lys
 1 5 10 15

Ile Leu Asn Lys Ile Leu Ala Asn Gln Ile Gln Gln His Ile Lys Lys
 20 25 30

Leu Ile His Asn Asp Arg Val Gly Phe Ile Pro Glu Met Gln Gly Trp
 35 40 45

Phe Asn Ile Cys Lys Ser Ile Asn Ile Val His His Ile Asn Arg Thr
 50 55 60

Lys Asp Lys Asn His Met Ile Ile Ser Ile Asp Ala Glu Lys Ala Phe
 65 70 75 80

Asp Lys Ile Arg Gln Ser Phe Met Leu Lys Thr Leu Asn Lys Leu Gly
 85 90 95

Ile His Gly Met Tyr
 100

<210> 401

<211> 11

<212> PRT

<213> Homo sapiens

<400> 401

Asp Ala Lys Ile Leu Asn Lys Ile Leu Ala Asn
 1 5 10

<210> 402

<211> 10

<212> PRT

<213> Homo sapiens

<400> 402

Ile Gln Gln His Ile Lys Lys Leu Ile His
 1 5 10

<210> 403

<211> 19
 <212> PRT
 <213> Homo sapiens

<400> 403
 Lys Asp Lys Asn His Met Ile Ile Ser Ile Asp Ala Glu Lys Ala Phe
 1 5 10 15

Asp Lys Ile

<210> 404
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 404
 Met Leu Lys Thr Leu Asn Lys Leu Gly Ile
 1 5 10

<210> 405
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 405
 Lys Lys Glu Asn Phe Arg Pro Ile Ser Leu
 1 5 10

<210> 406
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 406
 Trp Thr Met Phe Ile Asp Leu His Met Leu Asn Gln Pro Cys Ile Ser
 1 5 10 15

Gly Met Lys Pro Thr Arg Ser Leu Trp Ile Ser Phe Leu Met Cys Cys
 20 25 30

Trp Ile Trp Phe Ala Asn Ile Leu Leu Arg Ile Phe Ala Ser Val Phe
 35 40 45

Phe Arg Asp Ile Gly Leu Lys Phe Ser Phe Phe Cys Cys Val Ser Ala
 50 55 60

Arg Leu Trp Tyr Gln Asp Asp Ala Gly Leu Ile Asn Glu Leu Gly Arg
 65 70 75 80

Ile Pro Ser Phe Tyr
 85

<210> 407
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 407
 Glu Arg Pro Glu Glu Gly Thr Glu Pro Ser Pro Ser Pro Val Ala Glu
 1 5 10 15
 Gln Ala Ser Val Ser Met Thr Pro Val Phe Arg Ala Trp Gly Leu Trp
 20 25 30
 Val Tyr Val Leu Pro Thr Gly Phe Pro Gly Pro Cys Cys Met Met Leu
 35 40 45
 Leu Glu Leu Phe Pro Lys Glu Ser Val Pro Gln Ala Tyr Gln Gly Ile
 50 55 60
 Leu Leu Tyr Leu His Phe Gly Phe
 65 70

<210> 408
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 408
 Arg Gly Glu Val Pro His Gln Pro His Pro Thr Arg Arg Thr Val Val
 1 5 10 15
 Ser Gly Gln Ala Pro Trp Xaa Pro Gly Pro Xaa Ala Leu Gly Gln Xaa
 20 25 30

Val Glu Thr Ala Ala Gly Met Gly Met Pro Leu Val Thr Val Thr Ala
 35 40 45

Ala Thr Phe Pro Thr Leu Ser Cys Pro Pro Arg Ala Trp Pro Glu Val
 50 55 60

Glu Ala Pro Glu Ala Pro Ala Leu Pro Val Val Pro Glu Leu Pro Glu
 65 70 75 80

Val Pro Met Glu Met Pro Leu Val Leu Pro Pro Glu Leu Glu Leu Leu
 85 90 95

Ser Leu Glu Ala Val His Arg Tyr Gln Xaa Gly Gly Thr Leu Met Gly
 100 105 110

Trp Thr Arg Ala Glu Ala Ser Ala Asn Gly Ser
 115 120

<210> 409

<211> 133

<212> PRT

<213> Homo sapiens

<400> 409

Met Val Leu Asp Pro Tyr Arg Ala Val Ala Leu Glu Leu Gln Ala Asn
 1 5 10 15

Arg Glu Pro Asp Phe Ser Ser Leu Val Ser Pro Leu Ser Pro Arg Arg
 20 25 30

Met Ala Ala Arg Val Phe Tyr Leu Leu Leu Gly Glu Cys Met His Val
 35 40 45

Cys Val Cys Met Trp Gly Arg Asp Thr Glu Thr Arg Gly Pro Tyr Arg
 50 55 60

Asp Ser Pro Asp Leu Pro Ser Pro Arg Leu Leu Thr Ser Ala Leu Ser
 65 70 75 80

Ala Thr Asp Ser Ser Arg Glu Thr Arg Lys Ala Ile Trp Ser Pro Pro
 85 90 95

Asp Pro Ala Gly Ala Gln Ile Pro Leu Arg Leu Glu Ser Ile Tyr Lys
 100 105 110

Ala Ala Arg Lys Pro Ala Thr Ser Ser Lys Pro Arg Arg Ala Ser Leu
 115 120 125

Lys Lys Lys Lys Lys
 130

<210> 410

<211> 11
 <212> PRT
 <213> Homo sapiens

<400> 410
 Ala Phe Arg Asn Leu Pro Asn Leu Arg Ile Leu
 1 5 10

<210> 411
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 411
 Ala Phe Gln Gly Leu Phe His Leu Phe Glu Leu Arg Leu
 1 5 10

<210> 412
 <211> 206
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 412
 Asn Lys Xaa Ile Leu Glu Val Pro Ser Ala Arg Thr Thr Arg Ile Met
 1 5 10 15

Gly Asp His Leu Asp Leu Leu Leu Gly Val Val Leu Met Ala Gly Pro
 20 25 30

Val Phe Gly Ile Pro Ser Cys Ser Phe Asp Gly Arg Ile Ala Phe Tyr
 35 40 45

Arg Phe Cys Asn Leu Thr Gln Val Pro Gln Val Leu Asn Thr Thr Glu
 50 55 60

Arg Leu Leu Leu Ser Phe Asn Tyr Ile Arg Thr Val Thr Ala Ser Ser
 65 70 75 80

Phe Pro Phe Leu Glu Gln Leu Gln Leu Leu Glu Leu Gly Ser Gln Tyr
 85 90 95

Thr Pro Leu Thr Ile Asp Lys Glu Ala Phe Arg Asn Leu Pro Asn Leu
 100 105 110

Arg Ile Leu Asp Leu Gly Ser Ser Lys Ile Tyr Phe Leu His Pro Asp
 115 120 125

Ala Phe Gln Gly Leu Phe His Leu Phe Glu Leu Arg Leu Tyr Phe Cys

130 135 140
 Gly Leu Ser Asp Ala Val Leu Lys Asp Gly Tyr Phe Arg Asn Leu Lys
 145 150 155 160
 Ala Leu Thr Arg Leu Asp Leu Ser Lys Asn Gln Ile Arg Ser Leu Tyr
 165 170 175
 Leu His Pro Ser Phe Gly Lys Leu Asn Ser Leu Lys Ser Ile Asp Phe
 180 185 190
 Ser Ser Asn Gln Ile Phe Leu Val Cys Glu His Glu Leu Glu
 195 200 205

 <210> 413
 <211> 261
 <212> PRT
 <213> Homo sapiens

 <400> 413
 Ala His Ala Ala Leu Gln Leu Ser Leu Arg Thr Cys Gly Pro Cys Ser
 1 5 10 15
 Ser Pro Tyr Pro His Ala Gly Leu Ala Ala Leu Leu Thr His Met Trp
 20 25 30
 Ala Leu Gln Leu Ser Leu Pro Thr Cys Gly Leu Ala Ala Leu Leu Thr
 35 40 45
 His Met Arg Pro Cys Ser Ser Pro Tyr Pro His Ala Gly Leu Ala Ala
 50 55 60
 Leu Leu Thr His Met Gly Pro Cys Arg Ser Pro Tyr Pro His Gly Gly
 65 70 75 80
 Leu Ala Ala Val Leu Thr His Met Arg Ala Leu Gln Leu Ser Leu Pro
 85 90 95
 Thr Trp Gly Leu Ala Ala Leu Leu Thr His Met Arg Pro Cys Ser Ser
 100 105 110
 Pro Tyr Pro His Ala Gly Leu Ala Cys Cys Trp Leu Trp Ser Leu Ser
 115 120 125
 Ser His Arg Ser Leu Gln Val Gln Ala Thr His Arg Leu Val Val Arg
 130 135 140
 Thr Ile Lys Asp Arg Val Met Leu Lys Val Leu Pro Gln Thr Arg Arg
 145 150 155 160
 Arg Gly Pro Phe Leu Ser Ser Cys Arg Asn Asp Val Met Arg Asn Cys
 165 170 175
 Val Pro Arg His Ala Val Leu Val Thr Thr Cys Val Phe Val Ser Phe

180	185	190
Pro Thr His Cys Lys Val Gly Ile Thr Gly Pro Ile Thr Gln Val Lys		
195	200	205
Gln Lys Pro Gly Asn His Ser Ser Pro Cys Pro Val Ile Gln Leu Val		
210	215	220
Ala Lys Ala Glu Phe Glu Leu Met Leu Pro Ser Val Pro Lys Pro Val		
225	230	235
Tyr Leu Thr Leu Val Leu Ser Cys Trp Cys Leu Cys Asp Val Pro Cys		
	245	250
		255
Leu Ser Val Ser Leu		
260		

<210> 414
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 414
 Leu Ala Cys Cys Trp Leu Trp Ser Leu Ser Ser His Arg Ser Leu Gln
 1 5 10 15

Val

<210> 415
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 415
 Glu Ile Gly Ser His Ser Val Ala Gln Ala Gly Leu Glu Leu Pro Gly
 1 5 10 15

Ser Ser Asp Pro Pro Thr Ser Gly Ser Gln Ser Ala Gly Ile Thr Gly
 20 25 30

Val Ser Gln Gly Thr Gln Pro Ser Val Asp Leu Cys Gln Glu Glu Pro
 35 40 45

Ala Gly Ala Asp Gln Pro His Gly Ser Leu Gln
 50 55

<210> 416
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 416

```

Met Gly Glu Ala Ser Pro Pro Ala Pro Ala Arg Arg His Leu Leu Val
 1           5           10           15

Leu Leu Leu Leu Leu Ser Thr Leu Val Ile Pro Ser Ala Ala Ala Pro
 20           25           30

Ile His Asp Ala Asp Ala Gln Glu Ser Ser Leu Gly Leu Thr Gly Leu
 35           40           45

Gln Ser Leu Leu Gln Gly Phe Ser Arg Leu Phe Leu Lys Val Thr Cys
 50           55           60

Phe Gly Ala
 65

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<210> 417

<211> 90

<212> PRT

<213> Homo sapiens

<400> 417

```

Met Leu Val Val Ser Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn
 1           5           10           15

Ser Thr Glu Gly Ser Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu
 20           25           30

Val Asp Asp Ser Ser Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe
 35           40           45

Asn Asn Gly Ile His Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys
 50           55           60

Glu Lys Gly Arg Glu Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser
 65           70           75           80

Phe Gly Tyr Gly Thr Gly Leu Ile Gln Thr
 85           90

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<210> 418

<211> 18

<212> PRT

<213> Homo sapiens

<400> 418

```

Phe Pro Gly Arg Thr His Ala Ser Gly Asn Val Lys Gly Lys Val Ile
 1           5           10           15

Leu Ser

```

<210> 419
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 419
 Ala Asp Gln Glu Lys Ile Arg Asn Val Lys Gly Lys Val Ile Leu Ser
 1 5 10 15
 Met Leu Val Val Ser Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn
 20 25 30
 Ser Thr Glu Gly Ser Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu
 35 40 45
 Val Asp Asp Ser Ser Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe
 50 55 60
 Asn Asn Gly Ile His Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys
 65 70 75 80
 Glu Lys Gly Arg Glu Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser
 85 90 95
 Phe Gly Tyr Gly Thr Gly Leu Ile Gln Thr
 100 105

<210> 420
 <211> 236
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 420
 Met Gln Ser Pro Leu Val Glu Cys Pro Pro Pro Ser Ile His Tyr Trp
 1 5 10 15
 Pro Ser Val Pro Ala Gly Ala Gln Gly Ala Cys Ser Pro Met Phe His
 20 25 30
 Ala Ala Gly Trp Ser Arg Ser Gln Pro Asn Gly Glu Ile Pro Ala Ser
 35 40 45
 Ser Xaa Gly His Leu Ser Ile Gln Arg Ala Ala Leu Val Val Leu Glu
 50 55 60
 Asn Tyr Tyr Lys Asp Phe Thr Ile Tyr Asn Pro Asn Leu Leu Thr Ala
 65 70 75 80
 Ser Lys Phe Arg Ala Ala Lys His Met Ala Gly Leu Lys Val Tyr Asn

85								90				95				
Val	Asp	Gly	Pro	Ser	Asn	Asn	Ala	Thr	Gly	Gln	Ser	Arg	Ala	Met	Ile	
			100				105						110			
Ala	Ala	Ala	Ala	Arg	Arg	Arg	Asp	Ser	Ser	His	Asn	Glu	Leu	Tyr	Tyr	
			115				120						125			
Glu	Glu	Ala	Glu	His	Glu	Arg	Arg	Val	Lys	Lys	Arg	Lys	Ala	Arg	Leu	
			130				135						140			
Val	Val	Ala	Val	Glu	Glu	Ala	Phe	Ile	His	Ile	Gln	Arg	Leu	Gln	Ala	
145						150						155			160	
Glu	Glu	Gln	Gln	Lys	Ala	Pro	Gly	Glu	Val	Met	Asp	Pro	Arg	Glu	Ala	
			165						170						175	
Ala	Gln	Ala	Ile	Phe	Pro	Ser	Met	Ala	Arg	Ala	Leu	Gln	Lys	Tyr	Leu	
			180						185						190	
Arg	Ile	Thr	Arg	Gln	Gln	Asn	Tyr	His	Ser	Met	Glu	Ser	Ile	Leu	Gln	
			195						200						205	
Ala	Pro	Gly	Leu	Leu	His	His	Gln	Arg	His	Asp	Pro	Gln	Gly	Leu	Pro	
			210						215						220	
Arg	Thr	Val	Pro	Gln	Cys	Gly	Pro	His	Pro	Ala	Ile					
225						230						235				

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<210> 421
<211> 23
<212> PRT
<213> Homo sapiens
```

<400> 421
Leu Ser Ile Gln Arg Ala Ala Leu Val Val Leu Glu Asn Tyr Tyr Lys
1 5 10 15

Asp Phe Thr Ile Tyr Asn Pro
20

```
<210> 422
<211> 15
<212> PRT
<213> Homo sapiens
```

```
<400> 422
Asp Ser Ser His Asn Glu Leu Tyr Tyr Glu Glu Ala Glu His Glu
  1             5             10             15
```

$$\begin{array}{ll} \langle 210 \rangle & 423 \\ \langle 211 \rangle & 18 \end{array}$$

<212> PRT

<213> Homo sapiens

<400> 423

Phe Pro Ser Met Ala Arg Ala Leu Gln Lys Tyr Leu Arg Ile Thr Arg
 1 5 10 15
 Gln Gln

<210> 424

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 424

Met Ala Phe Lys Leu Leu Ile Leu Leu Ile Gly Thr Trp Ala Leu Phe
 1 5 10 15
 Phe Arg Lys Arg Arg Ala Asp Met Pro Arg Val Phe Val Phe Arg Ala
 20 25 30
 Leu Leu Leu Val Leu Ile Phe Leu Phe Cys Gly Phe Pro Ile Gly Phe
 35 40 45
 Phe Thr Gly Ser Ala Phe Trp Thr Leu Gly Asn Arg Asn Tyr Gln Gly
 50 55 60
 Ile Val Gln Tyr Ala Val Ser Pro Cys Gly Met Pro Ser Ser Phe His
 65 70 75 80
 Pro Leu Leu Ala Ile Arg Pro Cys Trp Ser Ser Gly Ser Leu Gln Pro
 85 90 95
 Asn Val Pro Arg Cys Arg Leu Val Pro Leu Pro Thr Glu Trp Gly Asn
 100 105 110
 Pro Arg Phe Gln Xaa Gly Thr Pro Glu Tyr Pro Ala Ser Ser Ile Gly
 115 120 125
 Gly Pro Arg Lys Leu Leu Gln Arg Phe His His Leu
 130 135 140

<210> 425

<211> 49

<212> PRT

<213> Homo sapiens

<400> 425

Met Gln Ser Pro Leu Trp Met Pro Ser Ser Ser Ser Ile Thr Trp Pro
 1 5 10 15
 Ser Ser Cys Trp Ser Ser Gly Ser Cys Ser Pro Cys Ser Arg Cys Arg
 20 25 30
 Trp Ser Arg Ser Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu Gly His
 35 40 45

Leu

<210> 426

<211> 303

<212> PRT

<213> Homo sapiens

<400> 426

Met Gln Ser Pro Leu Trp Met Pro Ser Ser Ser Ser Ile Thr Trp Pro
 1 5 10 15
 Ser Ser Cys Trp Ser Ser Gly Ser Cys Ser Pro Cys Ser Arg Cys Arg
 20 25 30
 Trp Ser Arg Ser Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu Gly His
 35 40 45
 Leu Ser Ile Gln Arg Ala Ala Leu Val Val Leu Glu Asn Tyr Tyr Lys
 50 55 60
 Asp Phe Thr Ile Tyr Asn Pro Asn Leu Leu Thr Ala Ser Lys Phe Arg
 65 70 75 80
 Ala Ala Lys His Met Ala Gly Leu Lys Val Tyr Asn Val Asp Gly Pro
 85 90 95
 Ser Asn Asn Ala Thr Gly Gln Ser Arg Ala Met Ile Ala Ala Ala Ala
 100 105 110
 Arg Arg Arg Asp Ser Ser His Asn Glu Leu Tyr Tyr Glu Glu Ala Glu
 115 120 125
 His Glu Arg Arg Val Lys Lys Arg Lys Ala Arg Leu Val Val Ala Val
 130 135 140
 Glu Glu Ala Phe Ile His Ile Gln Arg Leu Gln Ala Glu Glu Gln Gln
 145 150 155 160
 Lys Ala Pro Gly Glu Val Met Asp Pro Arg Glu Ala Ala Gln Ala Ile
 165 170 175
 Phe Pro Ser Met Ala Arg Ala Leu Gln Lys Tyr Leu Arg Ile Thr Arg
 180 185 190

Gln Gln Asn Tyr His Ser Met Glu Ser Ile Leu Gln His Leu Ala Phe
 195 200 205
 Cys Ile Thr Asn Gly Met Thr Pro Lys Ala Phe Leu Glu Arg Tyr Leu
 210 215 220
 Ser Ala Gly Pro Thr Leu Gln Tyr Asp Lys Asp Arg Trp Leu Ser Thr
 225 230 235 240
 Gln Trp Arg Leu Val Ser Asp Glu Ala Leu Thr Asn Gly Leu Arg Asp
 245 250 255
 Gly Ile Val Phe Val Leu Lys Cys Leu Asp Phe Ser Leu Val Val Asn
 260 265 270
 Val Lys Lys Ile Pro Phe Ile Ile Leu Ser Glu Glu Phe Ile Asp Pro
 275 280 285
 Lys Ser His Lys Phe Val Leu Arg Leu Gln Ser Glu Thr Ser Val
 290 295 300

<210> 427
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 427
 Met Pro Arg Val Phe Val Phe Arg Ala Leu Leu Leu Val Leu Ile Phe
 1 5 10 15
 Leu Phe Val Val Ser Tyr Trp Leu Phe Tyr Gly Val Arg Ile Leu Asp
 20 25 30
 Ser Arg Asp Arg Asn Tyr Gln Gly Ile Val Gln Tyr Ala Val Ser Leu
 35 40 45
 Val Asp Ala Leu Leu Phe Ile His Tyr Leu Ala Ile Val Leu Leu Glu
 50 55 60
 Leu Arg Gln Leu Gln Pro Met Phe Thr Leu Gln Val Val Arg Ser Thr
 65 70 75 80
 Asp Gly Glu Ser Arg Phe Tyr Ser Leu Gly His Leu
 85 90

<210> 428
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 428
 Met Ala Phe Lys Leu Leu Ile Leu Leu Ile Gly Thr Trp Ala Leu Phe

1	5	10	15
Phe Arg Lys Arg Arg Ala Asp Met Pro Arg Val Phe Val Phe Arg Ala	20	25	30
Leu Leu Leu Val Leu Ile Phe Leu Phe Val Val Ser Tyr Trp Leu Phe	35	40	45
Tyr Gly Val Arg Ile Leu Asp Ser Arg Asp Arg Asn Tyr Gln Gly Ile	50	55	60
Val Gln Tyr Ala Val Ser Leu Val Asp Ala Leu Leu Phe Ile His Tyr	65	70	75
Leu Ala Ile Val Leu Leu Glu Leu Arg Gln Leu Gln Pro Met Phe Thr	85	90	95
Leu Gln Val Val Arg Ser Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu	100	105	110
Gly His			

<210> 429
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 429
Met Gly Leu Pro Val Ser Trp Ala Pro Pro Ala Leu Trp Val Leu Gly
1 5 10 15
Cys Cys Ala Leu Leu Leu Ser Leu Trp Ala Leu Cys Thr Ala Cys Arg
20 25 30
Ser Pro Arg Thr Leu
35

<210> 430
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 430
Ile Tyr Gly Lys Thr Gly Gln Pro Asp Lys Ile Tyr Val Glu Leu His
1 5 10 15
Gln Asn Ser Pro
20

<210> 431
 <211> 16

<212> PRT
 <213> Homo sapiens

<400> 431
 Phe Leu Glu Pro Leu Ser Gly Leu Tyr Thr Cys Thr Leu Ser Tyr Lys
 1 5 10 15

<210> 432
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 432
 Leu Gln Val Val Arg Leu Asp Ser Cys Arg Pro Gly Phe Gly Lys Asn
 1 5 10 15

<210> 433
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 433
 Cys Val Ser Val Leu Thr Tyr Gly Ala Lys Ser Cys
 1 5 10

<210> 434
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 434
 Lys Asn Asn Trp Trp Gln Gly Val Val Val Leu Ala Cys Asn Pro Ser
 1 5 10 15

Thr Leu Gly Asp Arg Gly Ser Trp Ile Thr
 20 25

<210> 435
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 435
 Gly Gln Glu Phe Glu Thr Arg Leu Thr Asn Ile Val Lys Leu Arg Leu
 1 5 10 15

Tyr

<210> 436

<211> 24

<212> PRT

<213> Homo sapiens

<400> 436

Ser Cys Leu Gly Leu Pro Lys Cys Trp Asp Tyr Arg Gln Glu Pro Pro
 1 5 10 15

His Pro Ala Thr Ser Tyr Phe Leu
 20

<210> 437

<211> 308

<212> PRT

<213> Homo sapiens

<400> 437

Pro Ala Lys Gly Glu Gly Cys Arg Arg Leu His Asp His Pro His Ile
 1 5 10 15

Trp Arg Leu Leu Trp Ala His Ser Asp Pro Asp Pro Leu Pro Thr Gln
 20 25 30

Pro Arg Ala Glu Gln Gly Glu Thr Glu Phe Cys Val Pro Val Gly Pro
 35 40 45

Leu Cys His Asp Trp His Pro Leu Pro Val Asp Val Leu Ala Gln Leu
 50 55 60

Gln Leu Ser His Ile Leu Pro Trp Gly Gln Pro Ala Pro Ser Arg His
 65 70 75 80

Gln His Leu Leu Leu Leu Gly Ser Leu Arg Ala Tyr Leu Gly Gly Asn
 85 90 95

Ile Gln Cys Pro Ala Lys Lys Gly Lys Leu Asp Met Val His Ile Gln
 100 105 110

Asn Ala Thr Leu Ala Gly Gly Val Ala Val Gly Thr Ala Ala Glu Met
 115 120 125

Met Leu Met Pro Tyr Gly Ala Leu Ile Ile Gly Phe Val Cys Gly Ile
 130 135 140

Ile Ser Thr Leu Gly Phe Val Tyr Leu Thr Pro Phe Leu Glu Ser Arg
 145 150 155 160

Leu His Ile Gln Asp Thr Cys Gly Ile Asn Asn Leu His Gly Ile Pro

165					170					175					
Gly	Ile	Ile	Gly	Gly	Ile	Val	Gly	Ala	Val	Thr	Ala	Ala	Ser	Ala	Ser
			180					185					190		
Leu	Glu	Val	Tyr	Gly	Lys	Glu	Gly	Leu	Val	His	Ser	Phe	Asp	Phe	Gln
		195					200					205			
Gly	Phe	Asn	Gly	Asp	Trp	Thr	Ala	Arg	Thr	Gln	Gly	Lys	Phe	Gln	Ile
	210					215					220				
Tyr	Gly	Leu	Leu	Val	Thr	Leu	Ala	Met	Ala	Leu	Met	Gly	Gly	Ile	Ile
225					230					235					240
Val	Gly	Leu	Ile	Leu	Arg	Leu	Pro	Phe	Trp	Gly	Gln	Pro	Ser	Asp	Glu
				245					250					255	
Asn	Cys	Phe	Glu	Asp	Ala	Val	Tyr	Trp	Glu	Met	Pro	Glu	Gly	Asn	Ser
			260					265					270		
Thr	Val	Tyr	Ile	Pro	Glu	Asp	Pro	Thr	Phe	Lys	Pro	Ser	Gly	Pro	Ser
		275					280					285			
Val	Pro	Ser	Val	Pro	Met	Val	Ser	Pro	Leu	Pro	Met	Ala	Ser	Ser	Val
	290					295					300				
Pro	Leu	Val	Pro												
305															

<210> 438

<211> 145

<212> PRT

<213> Homo sapiens

<400> 438

Met	Thr	Phe	Phe	Gln	Val	Thr	Leu	Phe	Ala	Val	Asn	Glu	Phe	Ile	Leu
1				5					10					15	
Leu	Asn	Leu	Leu	Lys	Val	Lys	Asp	Ala	Gly	Gly	Ser	Met	Thr	Ile	His
			20					25					30		
Thr	Phe	Gly	Ala	Tyr	Phe	Gly	Leu	Thr	Val	Thr	Arg	Ile	Leu	Tyr	Arg
		35					40					45			
Arg	Asn	Leu	Glu	Gln	Ser	Lys	Glu	Arg	Gln	Asn	Ser	Val	Tyr	Gln	Ser
	50					55					60				
Asp	Leu	Phe	Ala	Met	Ile	Gly	Thr	Leu	Phe	Leu	Trp	Met	Tyr	Trp	Pro
65					70					75					80
Ser	Phe	Asn	Ser	Ala	Ile	Ser	Tyr	His	Gly	Asp	Ser	Gln	His	Arg	Ala
				85					90					95	
Ala	Ile	Asn	Thr	Tyr	Cys	Ser	Leu	Ala	Ala	Cys	Val	Leu	Thr	Ser	Val

	100		105		110										
Ala	Ile	Ser	Ser	Ala	Leu	His	Lys	Lys	Gly	Lys	Leu	Asp	Met	Val	His
	115						120					125			
Ile	Gln	Asn	Ala	Thr	Leu	Ala	Gly	Gly	Val	Ala	Val	Gly	Thr	Ala	Ala
	130					135						140			

Glu
145

<210> 439
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 439															
Pro	Arg	Val	Arg	Thr	Arg	Ala	Pro	Val	Val	Pro	Pro	Ala	Gly	His	Arg
1				5					10					15	
Ala	Leu	Ser	Pro	Ala	Gly	Val	Leu	Leu	Ala	Val	Pro	Ala	Met	Leu	Ser
			20					25					30		
Leu	Asp	Phe	Leu	Asp	Asp	Val	Arg	Arg	Met	Asn	Lys	Arg	Gln	Val	Ser
	35						40					45			
Leu	Ser	Val	Leu	Phe	Phe	Ser	Trp	Leu	Phe	Leu	Ser	Leu	Arg	Gly	Cys
	50					55					60				
Cys	Cys	Gly	Ala	Arg	Arg	Thr	Pro	Gly	Phe	Trp	Cys	Glu	Gly	Leu	Ser
65					70					75				80	
Trp	Ser	Asp	Thr	Arg	Val	Ile	Arg	Phe	Leu	Trp	Arg	Leu	Trp	Pro	Glu
				85					90					95	
Ala	Ala	Leu	Ser	Ala	Ser	Leu	Phe	Leu	Thr	Pro	Asn				
		100						105							

<210> 440
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 440															
Met	Cys	Val	Tyr	Ile	Tyr	Val	Tyr	Thr	Cys	Met	Cys	Val	Tyr	Ile	Tyr
1				5					10					15	
Val	Tyr	Ile	Cys	Ile	Cys	Val	Tyr	Ile	His	Val	Tyr	Thr	Cys	Ile	Cys
			20					25					30		
Val	Tyr	Ile	His	Val	Tyr	Thr	Cys	Val	Cys	Val	Tyr	Ile	Tyr	Val	Tyr
		35					40					45			

Thr Cys Met Cys Val Tyr Ile Cys Ile Tyr Val Tyr Ile Tyr Ile Cys
 50 55 60

Val Cys Val Ser Val Tyr Ile Tyr Asn Arg Ile Ile Tyr Ile Leu Leu
 65 70 75 80

Ala Leu Ser Leu

<210> 441

<211> 16

<212> PRT

<213> Homo sapiens

<400> 441

His Ala Ser Ala Trp Asn Leu Ile Leu Leu Thr Val Phe Thr Leu Ser
 1 5 10 15

<210> 442

<211> 24

<212> PRT

<213> Homo sapiens

<400> 442

Val Tyr Ala Ala Leu Gly Ala Gly Val Phe Thr Leu Phe Leu Ala Leu
 1 5 10 15

Asp Thr Gln Leu Leu Met Gly Asn
 20

<210> 443

<211> 18

<212> PRT

<213> Homo sapiens

<400> 443

Glu Glu Tyr Ile Phe Gly Ala Leu Asn Ile Tyr Leu Asp Ile Ile Tyr
 1 5 10 15

Ile Phe

<210> 444

<211> 26

<212> PRT

<213> Homo sapiens

<400> 444

Trp Asn Leu Ile Leu Leu Thr Val Phe Thr Leu Ser Met Ala Tyr Leu
 1 5 10 15

Thr Gly Met Leu Ser Ser Tyr Tyr Asn Thr
 20 25

<210> 445

<211> 138

<212> PRT

<213> Homo sapiens

<400> 445

Met Ala Tyr Leu Thr Gly Met Leu Ser Ser Tyr Tyr Asn Thr Thr Ser
 1 5 10 15

Val Leu Leu Cys Leu Gly Ile Thr Ala Leu Val Cys Leu Ser Val Thr
 20 25 30

Val Phe Ser Phe Gln Thr Lys Phe Asp Phe Thr Ser Cys Gln Gly Val
 35 40 45

Leu Phe Val Leu Leu Met Thr Leu Phe Phe Ser Gly Leu Ile Leu Ala
 50 55 60

Ile Leu Leu Pro Phe Gln Tyr Val Pro Trp Leu His Ala Val Tyr Ala
 65 70 75 80

Ala Leu Gly Ala Gly Val Phe Thr Leu Phe Leu Ala Leu Asp Thr Gln
 85 90 95

Leu Leu Met Gly Asn Arg Arg His Ser Leu Ser Pro Glu Glu Tyr Ile
 100 105 110

Phe Gly Ala Leu Asn Ile Tyr Leu Asp Ile Ile Tyr Ile Phe Thr Phe
 115 120 125

Phe Leu Gln Leu Phe Gly Thr Asn Arg Glu
 130 135

<210> 446

<211> 11

<212> PRT

<213> Homo sapiens

<400> 446

Thr Leu Ser Leu Leu Val Ser Leu His Thr Val
 1 5 10

<210> 447

<211> 241

<212> PRT

<213> Homo sapiens

<400> 447

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Met Ser Ser Ser Gly Thr Ser Asp Ala Ser Pro Ser Gly Ser Pro Val
 1           5           10           15

Leu Ala Ser Tyr Lys Pro Ala Pro Pro Lys Asp Lys Leu Pro Glu Thr
      20           25           30

Pro Arg Arg Arg Met Lys Lys Ser Leu Ser Ala Pro Leu His Pro Glu
      35           40           45

Phe Glu Glu Val Tyr Arg Phe Gly Ala Glu Ser Arg Lys Leu Leu Leu
 50           55           60

Arg Glu Pro Val Asp Ala Met Pro Asp Pro Thr Pro Phe Leu Leu Ala
65           70           75           80

Arg Glu Ser Ala Glu Val His Leu Ile Lys Glu Arg Pro Leu Val Ile
      85           90           95

Pro Pro Ile Ala Ser Asp Arg Ser Gly Glu Gln His Ser Pro Ala Arg
      100          105          110

Glu Lys Pro His Lys Ala His Val Gly Val Ala His Arg Ile His His
115          120          125

Ala Thr Pro Pro Gln Pro Ala Arg Gly Glu Asp Pro Gly Gly Arg Pro
130          135          140

Gly Glu Arg Arg Gln Gly Gly Glu Glu Ala Leu Arg Asp Gly Gln Asn
145          150          155          160

Cys Val Lys Pro Ala Val Pro His Pro Ala Leu Ser Met His Cys Glu
      165          170          175

His His Trp Glu Ile Ser Ala Thr Pro Phe Leu Phe Asn Pro Met His
      180          185          190

Ala Lys His Phe Ser His Leu Pro Thr His Ser Pro Ser Ala Ser Leu
195          200          205

Ala Leu Phe Phe Thr Pro Lys Tyr Asp Arg Val Pro Ala Ala Glu Tyr
210          215          220

Val Phe Pro Asn Cys Cys Gly Gln Thr Pro Val Cys Arg Ile Ala Cys
225          230          235          240

Phe

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<210> 448

<211> 85

<212> PRT

<213> Homo sapiens

<400> 448

Met Ser Ser Ser Gly Thr Ser Asp Ala Ser Pro Ser Gly Ser Pro Val
 1 5 10 15

Leu Ala Ser Tyr Lys Pro Ala Pro Pro Lys Asp Lys Leu Pro Glu Thr
 20 25 30

Pro Arg Arg Arg Met Lys Lys Ser Leu Ser Ala Pro Leu His Pro Glu
 35 40 45

Phe Glu Glu Val Tyr Arg Phe Gly Ala Glu Ser Arg Lys Leu Leu Leu
 50 55 60

Arg Glu Pro Val Asp Ala Met Pro Asp Pro Thr Pro Phe Leu Leu Ala
 65 70 75 80

Arg Glu Ser Ala Glu
 85

<210> 449

<211> 63

<212> PRT

<213> Homo sapiens

<400> 449

Val His Leu Ile Lys Glu Arg Pro Leu Val Ile Pro Pro Ile Ala Ser
 1 5 10 15

Asp Arg Ser Gly Glu Gln His Ser Pro Ala Arg Glu Lys Pro His Lys
 20 25 30

Ala His Val Gly Val Ala His Arg Ile His His Ala Thr Pro Pro Gln
 35 40 45

Pro Ala Arg Gly Glu Asp Pro Gly Gly Arg Pro Gly Glu Arg Arg
 50 55 60

<210> 450

<211> 93

<212> PRT

<213> Homo sapiens

<400> 450

Gln Gly Gly Glu Glu Ala Leu Arg Asp Gly Gln Asn Cys Val Lys Pro
 1 5 10 15

Ala Val Pro His Pro Ala Leu Ser Met His Cys Glu His His Trp Glu
 20 25 30

Ile Ser Ala Thr Pro Phe Leu Phe Asn Pro Met His Ala Lys His Phe
 35 40 45

Ser His Leu Pro Thr His Ser Pro Ser Ala Ser Leu Ala Leu Phe Phe
 50 55 60

Thr Pro Lys Tyr Asp Arg Val Pro Ala Ala Glu Tyr Val Phe Pro Asn
 65 70 75 80

Cys Cys Gly Gln Thr Pro Val Cys Arg Ile Ala Cys Phe
 85 90

<210> 451

<211> 59

<212> PRT

<213> Homo sapiens

<400> 451

Lys Arg Ala Ser Gln Pro Pro Cys Thr Arg Asn Leu Lys Arg Ser Thr
 1 5 10 15

Asp Ser Gly Gln Arg Ala Gly Asn Ser Phe Cys Gly Asn Gln Trp Met
 20 25 30

Leu Cys Pro Thr Pro Pro His Phe Cys Trp Leu Gly Ser Pro Pro Arg
 35 40 45

Ser Thr Ser Ser Lys Arg Gly Pro Ser Ser Ser
 50 55

<210> 452

<211> 65

<212> PRT

<213> Homo sapiens

<400> 452

Pro Pro Ser Pro Pro Thr Glu Ala Ala Ser Ser Thr Ala Arg Pro Ala
 1 5 10 15

Lys Ser Arg Thr Arg Pro Thr Ser Gly Trp His Ile Gly Ser Thr Thr
 20 25 30

Pro Pro Arg Arg Ser Gln Pro Glu Val Lys Thr Leu Ala Val Asp Gln
 35 40 45

Val Asn Gly Gly Lys Val Val Arg Lys His Ser Gly Thr Asp Arg Thr
 50 55 60

Val

65

<210> 453

<211> 148

<212> PRT

<213> Homo sapiens

<400> 453

Met Trp Asn Pro Asn Ala Gly Gln Pro Gly Pro Asn Pro Tyr Pro Pro
 1 5 10 15
 Asn Ile Gly Cys Pro Gly Gly Ser Asn Pro Ala His Pro Pro Pro Ile
 20 25 30
 Asn Pro Pro Phe Pro Pro Gly Pro Cys Pro Pro Pro Gly Ala Pro
 35 40 45
 His Gly Asn Pro Ala Phe Pro Pro Gly Gly Pro Pro His Pro Val Pro
 50 55 60
 Gln Pro Gly Tyr Pro Gly Cys Gln Pro Leu Gly Pro Tyr Pro Pro Pro
 65 70 75 80
 Tyr Pro Pro Pro Ala Pro Gly Ile Pro Pro Val Asn Pro Leu Ala Pro
 85 90 95
 Gly Met Val Gly Pro Ala Val Ile Val Asp Lys Lys Met Gln Lys Lys
 100 105 110
 Met Lys Lys Ala His Lys Lys Met His Lys His Gln Lys His His Lys
 115 120 125
 Tyr His Lys His Gly Lys His Ser Ser Ser Ser Ser Ser Ser Ser Ser
 130 135 140
 Ser Asp Ser Asp
 145

<210> 454

<211> 58

<212> PRT

<213> Homo sapiens

<400> 454

Arg Val Gly Pro Asp Ala Trp Ala Asp Ala Trp Glu Gln Ala Gln Ala
 1 5 10 15
 Ala Val Glu Arg Leu Glu Asp Thr Pro Lys His Val Glu Ser Gln Cys
 20 25 30
 Arg Ala Ala Arg Ala Lys Ser Ile Ser Pro Gln Tyr Trp Val Pro Trp
 35 40 45
 Arg Phe Gln Ser Cys Pro Pro Thr Thr Tyr
 50 55

<210> 455

<211> 84

<212> PRT

<213> Homo sapiens

<400> 455

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Ser Thr Leu Ser Pro Arg Pro Leu Ser Ser Ser Pro Arg Ser Ser Pro
 1          5          10          15

Trp Gln Ser Ser Phe Pro Pro Arg Trp Ala Pro Ser Ser Cys Ala Thr
          20          25          30

Ala Arg Val Ser Arg Met Pro Thr Val Gly Ser Leu Pro Ser Ser Ile
          35          40          45

Pro Thr Ala Cys Pro Trp Asn Pro Ser Cys Glu Ser Leu Gly Ser Trp
          50          55          60

His Gly Trp Thr Ser Ser Asp Ser Arg Gln Glu Asp Ala Glu Glu Asn
 65          70          75          80

Glu Glu Ser Ser

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<210> 456

<211> 86

<212> PRT

<213> Homo sapiens

<400> 456

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Met Pro Gly Ser Gln Gly Gln Ile His Ile Pro Pro Ile Leu Gly Ala
 1          5          10          15

Leu Glu Val Pro Ile Leu Pro Thr His His Leu Leu Ile His Pro Phe
          20          25          30

Pro Gln Ala Pro Val Leu Leu Pro Gln Glu Leu Pro Met Ala Ile Gln
          35          40          45

Leu Ser Pro Gln Val Gly Pro Leu Ile Leu Cys His Ser Gln Gly Ile
          50          55          60

Gln Asp Ala Asn Arg Trp Val Pro Thr Leu Leu His Thr His Arg Leu
 65          70          75          80

Pro Leu Glu Ser Leu Leu
          85

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<210> 457

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 457

Met Ala Ser Ile Pro Pro Leu Pro Pro Pro Leu Pro Ala Val Ile Leu
1 5 10 15

Thr Glu Tyr Arg Pro Trp Thr Leu Pro Ser Ser Leu Thr Ser Ser Ala
20 25 30

Leu Pro Ser Ser Phe Arg Cys His Val Val Leu Gly Glu Cys Ser Pro
35 40 45

Cys Ala Pro His Pro Leu Pro Xaa Pro Glu Pro His Pro Ala Val Glu
50 55 60

Pro
65

<210> 458

<211> 147

<212> PRT

<213> Homo sapiens

<400> 458

Pro Arg His Thr Tyr Trp Gly Ile Trp Leu Val Pro Ala Ala Met Ala
1 5 10 15

Ser Pro His Ser His Pro Ala Gln Gly Val Leu Gln Pro Pro Gly Pro
20 25 30

Gln Pro Arg Trp Glu Asp Arg Val Ala Leu Gly Thr Arg Gly Arg Ser
35 40 45

Pro Gly Ala Tyr Leu Thr Glu Ser Ala Pro Gln Gln Ala Ser Thr Thr
50 55 60

Pro Gly Pro Pro Thr Cys His Gly Lys Val Gly Ser Glu Trp Ala Trp
65 70 75 80

Leu Gly Ala Ala Pro Gly Pro Leu Pro Thr His Pro Ser His Tyr Ala
85 90 95

Ile Arg Val Pro Ser Asn Ile Cys Ser Cys Pro Gly Ala Ser Ser Ala
100 105 110

Pro Ala Leu Arg Gly Val Val Arg Gln Pro Pro Gly Pro Gln Asn Pro
115 120 125

Arg Gln Gly Gly Arg Arg Gly Thr Arg Ala Ser Pro Val Gly Ser Leu
130 135 140

Phe Cys Val
145

<210> 459
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 459
 Met Phe Ala Val Leu Pro Ala Val Glu Gly Arg Ala Thr Pro His Gln
 1 5 10 15
 Asp Arg Thr Cys Tyr Pro Ser Arg Ser Arg Pro Trp Pro Ser Gln Pro
 20 25 30
 Ser Pro Arg Gly Ser Met Pro Val Pro Arg Pro Gly Ala Ala Arg Gly
 35 40 45
 Gln Leu Asp Gly His Val Gln Gly Gln Gly Trp Ala Leu Gln Trp Gly
 50 55 60
 Gly Pro Pro Ala Pro Ala Val Tyr Arg Arg Met Ala Leu Pro Pro Arg
 65 70 75 80
 Ala Ala Gly Ser Tyr Leu Asp Arg Lys Cys Pro His Pro Leu Pro Gly
 85 90 95
 Ala Arg Leu Cys Pro Gly Leu Pro Leu
 100 105

<210> 460
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 460
 Val Phe Gly Ala Val Phe Leu Thr Thr Pro Ser His Asp Leu Ala Thr
 1 5 10 15
 Pro Thr Gly Ala Ser Gly Trp Cys Leu Leu Pro Trp Pro Ala Pro Thr
 20 25 30
 Leu Thr Leu His Arg Gly Ser Cys Ser Pro Gln Ala His Ser Leu Val
 35 40 45
 Gly Arg Thr Gly Trp Pro Trp Gly Gln Glu Gly Gly Ala Gln Gly Leu
 50 55 60
 Thr Ser Leu Arg Val Leu Pro Ser Arg His Pro Leu Pro Gln Gly Pro
 65 70 75 80
 Pro His Val Met Ala Arg Leu Val Val Asn Gly Pro Gly Trp Glu Gln
 85 90 95
 Pro Leu Ala His Cys Pro Pro Thr His Leu Thr Met Gln Phe Glu Phe
 100 105 110

Gln Ala Thr Phe Ala Pro Ala Leu Gly Pro Ala Leu Pro Gln Pro
 115 120 125

<210> 461

<211> 186

<212> PRT

<213> Homo sapiens

<400> 461

His Glu Glu Pro Pro Ala Gly Phe Gly Leu Arg Ser Leu Trp Arg Arg
 1 5 10 15

Ser Pro Pro His Glu Val Gly Ala Arg Leu Pro Asn Gly Ala Phe Gly
 20 25 30

Phe Ser Val Arg Cys Leu Leu Cys Phe Pro Pro Trp Arg Ala Glu Pro
 35 40 45

Pro His Ile Arg Ile Gly Arg Ala Thr Pro Pro Gly Pro Gly Pro Gly
 50 55 60

Pro Ala Ser Pro Ala Leu Glu Ala Arg Cys Leu Cys Gln Gly Gln Gly
 65 70 75 80

Gln Pro Glu Gly Ser Trp Met Ala Thr Cys Arg Val Lys Ala Gly Pro
 85 90 95

Cys Ser Gly Ala Gly Arg Gln Pro Gln Gln Phe Thr Asp Ala Trp Leu
 100 105 110

Phe Leu Pro Glu Gln Pro Ala Ala Thr Trp Thr Gly Asn Val Leu Ile
 115 120 125

Pro Ser Leu Gly Pro Gly Ser Ala Leu Ala Phe Leu Cys Glu Pro Leu
 130 135 140

Leu Ser Leu Cys Cys Leu Gly Thr Pro Asp Arg Gly Val Arg Val Cys
 145 150 155 160

Pro Ser Val Thr Phe Tyr Ser Pro Arg Val Glu Glu Arg Lys Arg Gly
 165 170 175

Lys Ser Lys Gly Val Gln Thr Pro Pro Gln
 180 185

<210> 462

<211> 100

<212> PRT

<213> Homo sapiens

<400> 462

Met Ala Thr Cys Arg Val Lys Ala Gly Pro Cys Ser Gly Ala Gly Arg

1		5		10		15									
Gln	Pro	Gln	Gln	Phe	Thr	Asp	Ala	Trp	Leu	Phe	Leu	Pro	Glu	Gln	Pro
		20						25					30		
Ala	Ala	Thr	Trp	Thr	Gly	Asn	Val	Leu	Ile	Pro	Ser	Leu	Gly	Pro	Gly
		35					40					45			
Ser	Ala	Leu	Ala	Phe	Leu	Cys	Glu	Pro	Leu	Leu	Ser	Leu	Cys	Cys	Leu
	50					55					60				
Gly	Thr	Pro	Asp	Arg	Gly	Val	Arg	Val	Cys	Pro	Ser	Val	Thr	Phe	Tyr
65					70				75						80
Ser	Pro	Arg	Val	Glu	Glu	Arg	Lys	Arg	Gly	Lys	Ser	Lys	Gly	Val	Gln
			85						90					95	
Thr	Pro	Pro	Gln												
			100												

<210> 463

<211> 244

<212> PRT

<213> Homo sapiens

<400> 463

Met	Lys	Trp	Phe	Ser	Thr	Gln	Pro	Leu	Trp	Leu	Asn	Thr	Lys	Gln	Arg
1				5					10					15	
Ser	His	Arg	Arg	Gly	Pro	Gly	Pro	Pro	Pro	Ala	Pro	Leu	Ser	Gly	Val
		20						25					30		
Leu	Gly	Ser	Arg	Gly	Leu	Pro	His	His	Pro	Ser	Gln	Gly	Trp	Gly	Arg
		35					40					45			
Ala	Gly	Pro	Arg	Ala	Gly	Ala	Asn	Val	Ala	Trp	Asn	Ser	Asn	Cys	Ile
	50					55					60				
Val	Arg	Trp	Val	Gly	Gly	Gln	Trp	Ala	Arg	Gly	Cys	Ser	Gln	Pro	Gly
65				70					75						80
Pro	Phe	Thr	Thr	Asn	Leu	Ala	Met	Thr	Cys	Gly	Gly	Pro	Trp	Gly	Ser
				85					90					95	
Gly	Cys	Leu	Leu	Gly	Ser	Thr	Leu	Ser	Glu	Val	Ser	Pro	Trp	Ala	Pro
		100						105					110		
Pro	Ser	Cys	Pro	Gln	Gly	His	Pro	Val	Leu	Pro	Thr	Arg	Leu	Trp	Ala
		115					120					125			
Trp	Gly	Leu	Gln	Asp	Pro	Leu	Cys	Arg	Val	Arg	Val	Gly	Ala	Gly	His
	130					135					140				
Gly	Ser	Arg	His	Gln	Pro	Asp	Ala	Pro	Val	Gly	Val	Ala	Arg	Ser	Trp

145 150 155 160
 Asp Gly Val Val Arg Asn Thr Ala Pro Lys Thr Gln Asn Lys Asn Thr
 165 170 175
 Thr Asn Gly Arg Arg Ser Pro Pro Pro Thr Glu Val Gly Phe Glu Pro
 180 185 190
 Leu Leu Ile Phe Pro Val Ser Phe Leu Gln Pro Leu Val Ser Arg Lys
 195 200 205
 Ser Gln Thr Gly Thr His Ala His His Gly Gln Glu Ser Arg Asp Ser
 210 215 220
 Thr Lys Lys Gly Gly Val His Arg Gly Arg Pro Gly Gln Ser Leu Ala
 225 230 235 240
 Pro Gly Arg Gly

<210> 464

<211> 165

<212> PRT

<213> Homo sapiens

<400> 464

Lys Val Thr Asp Gly His Thr Arg Thr Pro Arg Ser Gly Val Pro Arg
 1 5 10 15
 Gln His Lys Glu Arg Arg Gly Ser Gln Arg Lys Ala Arg Ala Glu Pro
 20 25 30
 Gly Pro Arg Glu Gly Met Arg Thr Phe Pro Val Gln Val Ala Ala Gly
 35 40 45
 Cys Ser Gly Arg Lys Ser His Ala Ser Val Asn Cys Trp Gly Trp Arg
 50 55 60
 Pro Ala Pro Leu Gln Gly Pro Ala Leu Thr Leu His Val Ala Ile Gln
 65 70 75 80
 Leu Pro Ser Gly Cys Pro Trp Pro Trp His Arg His Arg Ala Ser Arg
 85 90 95
 Ala Gly Leu Ala Gly Pro Gly Pro Gly Pro Gly Gly Val Ala Arg Pro
 100 105 110
 Ile Leu Met Trp Gly Gly Ser Ala Leu His Gly Gly Lys His Ser Lys
 115 120 125
 His Arg Thr Leu Lys Pro Lys Ala Pro Leu Gly Ser Leu Ala Pro Thr
 130 135 140
 Ser Trp Gly Gly Asp Arg Arg His Arg Asp Leu Ser Pro Lys Pro Ala

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<210> 465
<211> 128
<212> PRT
<213> Homo sapiens
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<210> 466
<211> 13
<212> PRT
<213> Homo sapiens
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<210> 467
<211> 17
<212> PRT
<213> Homo sapiens
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<400> 467

Ser Thr Lys Gly Met Gln Phe Ile Leu Thr Gly Ile Thr Leu Ser Gly
 1 5 10 15

Tyr

<210> 468

<211> 209

<212> PRT

<213> Homo sapiens

<400> 468

Pro Arg Val Arg Ala Leu Leu Phe Ala Arg Ser Leu Arg Leu Cys Arg
 1 5 10 15

Trp Gly Ala Lys Arg Leu Gly Val Ala Ser Thr Glu Ala Gln Arg Gly
 20 25 30

Val Ser Phe Lys Leu Glu Glu Lys Thr Ala His Ser Ser Leu Ala Leu
 35 40 45

Phe Arg Asp Asp Thr Gly Val Lys Tyr Gly Leu Val Gly Leu Glu Pro
 50 55 60

Thr Lys Val Ala Leu Asn Val Glu Arg Phe Arg Glu Trp Ala Val Val
 65 70 75 80

Leu Ala Asp Thr Ala Val Thr Ser Gly Arg His Tyr Trp Glu Val Thr
 85 90 95

Val Lys Arg Ser Gln Gln Phe Arg Ile Gly Val Ala Asp Val Asp Met
 100 105 110

Ser Arg Asp Ser Cys Ile Gly Val Asp Asp Arg Ser Trp Val Phe Thr
 115 120 125

Met Pro Ser Ala Ser Gly Thr Pro Cys Trp Pro Thr Arg Lys Pro Gln
 130 135 140

Leu Arg Val Leu Gly Ser Gln Glu Val Gly Leu Leu Leu Glu Tyr Glu
 145 150 155 160

Ala Gln Lys Leu Ser Leu Val Asp Val Ser Gln Val Ser Val Val His
 165 170 175

Thr Leu Gln Thr Asp Phe Arg Gly Pro Val Val Pro Ala Phe Ala Leu
 180 185 190

Trp Asp Gly Glu Leu Leu Thr His Ser Gly Leu Glu Val Pro Glu Gly
 195 200 205

Leu

<210> 469
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 469
 Met Ser Arg Asp Ser Cys Ile Gly Val Asp Asp Arg Ser Trp Val Phe
 1 5 10 15
 Thr Met Pro Ser Ala Ser Gly Thr Pro Cys Trp Pro Thr Arg Lys Pro
 20 25 30
 Gln Leu Arg Val Leu Gly Ser Gln Glu Val Gly Leu Leu Leu Glu Tyr
 35 40 45
 Glu Ala Gln Lys Leu Ser Leu Val Asp Val Ser Gln Val Ser Val Val
 50 55 60
 His Thr Leu Gln Thr Asp Phe Arg Gly Pro Val Val Pro Ala Phe Ala
 65 70 75 80
 Leu Trp Asp Gly Glu Leu Leu Thr His Ser Gly Leu Glu Val Pro Glu
 85 90 95
 Gly Leu

<210> 470
 <211> 1913
 <212> DNA
 <213> Homo sapiens

<400> 470
 GCACGAGCGG CACGAGCGGA TCCTCACACG ACTGTGATCC GATTCTTTCC AGCGGCTTCT 60
 GCAACCAAGC GGGTCTTACC CCCGGTCCTC CGCGTCTCCA GTCCTCGCAC CTGGAACCCC 120
 AACGTCCCCG AGAGTCCCCG AATCCCCGCT CCCAGGCTAC CTAAGAGGAT GAGCGGTGCT 180
 CCGACGGCCG GGGCAGCCCT GATGCTCTGC GCCGCCACCG CCGTGCTACT GAGCGCTCAG 240
 GCGGACCCG TGCAGTCCAA GTCGCCGCGC TTTGCGTCCT GGGACGAGAT GAATGTCCTG 300
 GCGCACGGAC TCCTGCAGCT CGGCCAGGGG CTGCGCGAAC ACGCGGAGCG CACCCGCAGT 360
 CAGCTGAGCG CGCTGGAGCG GCGCCTGAGC GCGTGCGGGT CCGCCTGTCA GGGAACCGAG 420
 GGGTCCACCG ACCTCCCGTT AGCCCCTGAG AGCCGGGTGG ACCCTGAGGT CCTTCACAGC 480
 CTGCAGACAC AACTCAAGGC TCAGAACAGC AGGATCCAGC AACTCTTCCA CAAGGTGGCC 540
 CAGCAGCAGC GGCACCTGGA GAAGCAGCAC CTGCGAATTC AGCATCTGCA AAGCCAGTTT 600

GGCCTCCTGG	ACCACAAGCA	CCTAGACCAT	GAGGTGGCCA	AGCCTGCCCCG	AAGAAAGAGG	660
CTGCCCCGAGA	TGGCCCAGCC	AGTTGACCCG	GCTCACAATG	TCAGCCGCCT	GCACCGGCTG	720
CCCAGGGATT	GCCAGGAGCT	GTTCCAGGTT	GGGGAGAGGC	AGAGTGGACT	ATTTGAAATC	780
CAGCCTCAGG	GGTCTCCGCC	ATTTTGGTG	AACTGCAAGA	TGACCTCAGA	TGGAGGCTGG	840
ACAGTAATTC	AGAGGCGCCA	CGATGGCTCA	GTGGACTTCA	ACCGGCCCTG	GGAAGCCTAC	900
AAGGCGGGGT	TTGGGGATCC	CCACGGCGAG	TTCTGGCTGG	GTCTGGAGAA	GGTGCATAGC	960
ATCACGGGGG	ACCGCAACAG	CCGCCTGGCC	GTGCAGCTGC	GGGACTGGGA	TGGCAACGCC	1020
GAGTTGCTGC	AGTTCTCCGT	GCACCTGGGT	GGCGAGGACA	CGGCCTATAG	CCTGCAGCTC	1080
ACTGCACCCG	TGGCCGGCCA	GCTGGGCGCC	ACCACCGTCC	CACCCAGCGG	CCTCTCCGTA	1140
CCCTTCTCCA	CTTGGGACCA	GGATCACGAC	CTCCGCAGGG	ACAAGAACTG	CGCCAAGAGC	1200
CTCTCTGGAG	GCTGGTGGTT	TGGCACCTGC	AGCCATTCCA	ACCTCAACGG	CCAGTACTTC	1260
CGCTCCATCC	CACAGCAGCG	GCAGAAGCTT	AAGAAGGGAA	TCTTCTGGAA	GACCTGGCGG	1320
GGCCGCTACT	ACCCGCTGCA	GGCCACCACC	ATGTTGATCC	AGCCCATGGC	AGCAGAGGCA	1380
GCCTCCTAGC	GTCCTGGCTG	GGCCTGGTCC	CAGGCCCACG	AAAGACGGTG	ACTCTTGGCT	1440
CTGCCCCGAGG	ATGTGGCCGT	TCCCTGCCTG	GGCAGGGGCT	CCAAGGAGGG	GCCATCTGGA	1500
AACTTGTGGA	CAGAGAAGAA	GACCACGACT	GGAGAAGCCC	CCTTTCTGAG	TGCAGGGGGG	1560
CTGCATGCGT	TGCCTCCTGA	GATCGAGGCT	GCAGGATATG	CTCAGACTCT	AGAGGCGTGG	1620
ACCAAGGGGC	ATGGAGCTTC	ACTCCTTGCT	GGCCAGGGAG	TTGGGGACTC	AGAGGGACCA	1680
CTTGGGGCCA	GCCAGACTGG	CCTCAATGGC	GGACTCAGTC	ACATTGACTG	ACGGGGACCA	1740
GGGCTTGTGT	GGGTCGAGAG	CGCCCTCATG	GTGCTGGTGC	TGTTGTGTGT	AGGTCCCCTG	1800
GGGACACAAG	CAGGCGCCAA	TGGTATCTGG	GCGGAGCTCA	CAGAGTTCTT	GGAATAAAAG	1860
CAACCTCAGA	ACAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAA	1913

<210> 471

<211> 1221

<212> DNA

<213> Homo sapiens

<400> 471

ATGAGCGGTG	CTCCGACGGC	CGGGGCAGCC	CTGATGCTCT	GCGCCGCCAC	CGCCGTGCTA	60
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CTGAGCGCTC AGGGCGGACC CGTGCAGTCC AAGTCGCCGC GCTTTGCGTC CTGGGACGAG      120
ATGAATGTCC TGGCGCACGG ACTCCTGCAG CTCGGCCAGG GGCTGCGCGA ACACGCGGAG      180
CGCACCCGCA GTCAGCTGAG CGCGCTGGAG CGGCGCCTGA GCGCGTGCGG GTCCGCCCTGT      240
CAGGGAACCG AGGGGTCCAC CGACCTCCCG TTAGCCCCTG AGAGCCGGGT GGACCCTGAG      300
GTCCTTCACA GCCTGCAGAC ACAACTCAAG GCTCAGAACA GCAGGATCCA GCAACTCTTC      360
CACAAGGTGG CCCAGCAGCA GCGGCACCTG GAGAAGCAGC ACCTGCGAAT TCAGCATCTG      420
CAAAGCCAGT TTGGCCTCCT GGACCACAAG CACCTAGACC ATGAGGTGGC CAAGCCTGCC      480
CGAAGAAAGA GGCTGCCCCG GATGGCCAGC CCAGTTGACC CGGCTCACAA TGTCAGCCGC      540
CTGCACCGGC TGCCCAGGGA TTGCCAGGAG CTGTTCCAGG TTGGGGAGAG GCAGAGTGGA      600
CTATTTGAAA TCCAGCCTCA GGGGTCTCCG CCATTTTTTG TGAAGTGCAA GATGACCTCA      660
GATGGAGGCT GGACAGTAAT TCAGAGGCGC CACGATGGCT CAGTGGACTT CAACCGGCCC      720
TGGGAAGCCT ACAAGGCGGG GTTTGGGGAT CCCACGGCG AGTTCTGGCT GGGTCTGGAG      780
AAGGTGCATA GCATCACGGG GGACCGCAAC AGCCGCCTGG CCGTGCAGCT GCGGGACTGG      840
GATGGCAACG CCGAGTTGCT GCAGTTCTCC GTGCACCTGG GTGGCGAGGA CACGGCCTAT      900
AGCCTGCAGC TCACTGCACC CGTGGCCGGC CAGCTGGGCG CCACCACCGT CCCACCCAGC      960
GGCCTCTCCG TACCCTTCTC CACTTGGGAC CAGGATCACG ACCTCCGCAG GGACAAGAAC     1020
TGCGCCAAGA GCCTCTCTGG AGGCTGGTGG TTTGGCACCT GCAGCCATTC CAACCTCAAC     1080
GGCCAGTACT TCCGCTCCAT CCCACAGCAG CGGCAGAAGC TTAAGAAGGG AATCTTCTGG     1140
AAGACCTGGC GGGGCCGCTA CTACCCGCTG CAGGCCACCA CCATGTTGAT CCAGCCCATG     1200
GCAGCAGAGG CAGCCTCCTA G                                     1221

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<210> 472

<211> 175

<212> PRT

<213> Homo sapiens

<400> 472

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Met Ala Gln Trp Thr Ser Thr Gly Pro Gly Lys Pro Thr Arg Arg Gly
  1                      5                      10                      15

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Leu Gly Ile Pro Thr Ala Ser Ser Gly Trp Val Trp Arg Arg Cys Ile
      20                      25                      30

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Ala Ser Trp Gly Thr Ala Thr Ala Ala Trp Pro Cys Ser Cys Gly Thr

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35					40					45					
Gly	Met	Ala	Thr	Pro	Ser	Cys	Cys	Ser	Ser	Pro	Cys	Thr	Trp	Val	Ala
50					55					60					
Arg	Thr	Arg	Pro	Ile	Ala	Cys	Ser	Ser	Leu	His	Pro	Trp	Pro	Ala	Ser
65					70					75					80
Trp	Ala	Pro	Pro	Pro	Ser	His	Pro	Ala	Ala	Ser	Pro	Tyr	Pro	Ser	Pro
				85					90					95	
Leu	Gly	Thr	Arg	Ile	Thr	Thr	Ser	Ala	Gly	Thr	Arg	Thr	Ala	Pro	Arg
			100					105					110		
Ala	Ser	Leu	Glu	Ala	Gly	Gly	Leu	Ala	Pro	Ala	Ala	Ile	Pro	Thr	Phe
		115					120					125			
Asn	Gly	Pro	Val	Leu	Pro	Ala	Pro	Ser	His	Ser	Ser	Gly	Arg	Ser	Leu
		130				135					140				
Arg	Arg	Glu	Ser	Ser	Gly	Arg	Pro	Ala	Gly	Arg	Tyr	Tyr	Pro	Leu	Gln
145					150					155					160
Ala	Thr	Thr	Met	Leu	Ile	Gln	Pro	Met	Ala	Ala	Glu	Ala	Ala	Ser	
			165					170						175	

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 <213> Homo sapiens

<400> 473
 Trp Trp Phe Gly Thr Cys Ser His Ser Asn Leu Asn Gly
 1 5 10

<210> 474
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 474
 Ser Gly Gly Trp Trp Phe Gly Thr Cys Ser His Ser Asn Leu Asn Gly
 1 5 10 15

Gln Tyr Phe

<210> 475
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 475

Gly His Asp Leu Pro Gln Asp Ala Trp Leu Arg Trp Val Leu Ala Gly
 1 5 10 15

Ala Leu Cys Ala Gly Gly Trp Ala Val Asn Tyr Leu Pro Phe Phe Leu
 20 25 30

<210> 476

<211> 18

<212> PRT

<213> Homo sapiens

<400> 476

Phe Leu Tyr His Tyr Leu Pro Ala Leu Thr Phe Gln Ile Leu Leu Leu
 1 5 10 15

Pro Val

<210> 477

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 477

Met Ser Pro Leu Pro Trp Pro Gly Pro Leu Pro Gly Gly Arg Gln Gly
 1 5 10 15

His Arg Leu Glu Pro Cys Cys Ser Ser Gly Cys Ala Gly Gly Pro Thr
 20 25 30

Trp Pro His Cys Ser Ser Gln Ser Trp Pro Met Xaa Ser Ala Arg His
 35 40 45

Xaa Gly Leu Gly His Cys Cys Pro Ser Ser Pro
 50 55

<210> 478

<211> 32

<212> PRT

<213> Homo sapiens

<400> 478

Asp Ile Cys Arg Leu Glu Arg Ala Val Cys Arg Asp Glu Pro Ser Ala
1 5 10 15

Leu Ala Arg Ala Leu Thr Trp Arg Gln Ala Arg Ala Gln Ala Gly Ala
20 25 30

<210> 479

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 479

Xaa Ala Pro Ala Thr Xaa Ala Trp Asp Thr Val Val Pro Pro Leu Pro
1 5 10 15

Arg Lys Cys Gln Cys Ser Gly Ser Ala Arg Ser His Gly Ala Gly Arg
20 25 30

Ser Ala Leu His Ser Pro Leu Glu Gly Ser Arg Pro Lys Val Pro Ala
35 40 45

Gly Ala Val Gly Lys Ser Leu Pro Gly Gln Ser Arg Pro Gln His Cys
50 55 60

Leu Pro Pro Lys Gln Pro Lys Gln Cys Arg Pro Gly Leu Glu Leu Lys
65 70 75 80

Glu Gly Pro Leu Leu Thr Pro Thr Arg Ala Ser Val Gln Leu Ser His
85 90 95

Pro Ala Cys Leu Tyr Trp Ala Pro Leu Leu Trp Ile Arg Asp Pro Ala
100 105 110

Ser Val

<210> 480
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 480
 Xaa Ala Pro Ala Thr Xaa Ala Trp Asp Thr Val Val Pro Pro Leu Pro
 1 5 10 15
 Arg Lys Cys Gln Cys Ser Gly Ser Ala Arg Ser His Gly Ala Gly Arg
 20 25 30
 Ser Ala Leu His Ser Pro Leu Glu Gly Ser Arg Pro Lys Val Pro Ala
 35 40 45
 Gly Ala Val Gly Lys Ser Leu
 50 55

<210> 481
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 481
 Pro Gly Gln Ser Arg Pro Gln His Cys Leu Pro Pro Lys Gln Pro Lys
 1 5 10 15
 Gln Cys Arg Pro Gly Leu Glu Leu Lys Glu Gly Pro Leu Leu Thr Pro
 20 25 30
 Thr Arg Ala Ser Val Gln Leu Ser His Pro Ala Cys Leu Tyr Trp Ala
 35 40 45
 Pro Leu Leu Trp Ile Arg Asp Pro Ala Ser Val
 50 55

<210> 482
 <211> 133
 <212> PRT
 <213> Homo sapiens

<220>
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<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 482

Asp	Ile	Cys	Arg	Leu	Glu	Arg	Ala	Val	Cys	Arg	Asp	Glu	Pro	Ser	Ala
1				5					10					15	

Leu	Ala	Arg	Ala	Leu	Thr	Trp	Arg	Gln	Ala	Arg	Ala	Gln	Ala	Gly	Ala
			20					25					30		

Met	Leu	Leu	Phe	Gly	Leu	Cys	Trp	Gly	Pro	Tyr	Val	Ala	Thr	Leu	Leu
			35				40					45			

Leu	Ser	Val	Leu	Ala	Tyr	Xaa	Gln	Arg	Pro	Pro	Leu	Xaa	Pro	Gly	Thr
	50					55					60				

Leu	Leu	Ser	Leu	Leu	Ser	Leu	Gly	Ser	Ala	Ser	Ala	Ala	Ala	Val	Pro
65					70					75					80

Val	Ala	Met	Gly	Leu	Gly	Asp	Gln	Arg	Tyr	Thr	Ala	Pro	Trp	Arg	Ala
				85					90					95	

Ala	Ala	Gln	Arg	Cys	Leu	Gln	Gly	Leu	Trp	Gly	Arg	Ala	Ser	Arg	Asp
			100					105					110		

Ser	Pro	Gly	Pro	Ser	Ile	Ala	Tyr	His	Pro	Ser	Ser	Gln	Ser	Ser	Val
		115					120					125			

Asp	Leu	Asp	Leu	Asn
	130			

<210> 483

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 483

Met	Glu	Arg	Val	Gly	Met	Glu	Ser	Gly	Glu	Met	Val	Cys	Gly	Leu	Gly
1				5					10					15	

Ser Ala Cys Asn Asn Pro Ser Asp Leu Gly Gln Val Pro Val Pro Leu
 20 25 30

Trp Xaa Ser Val Ser Pro Pro Val Phe Gly Xaa Gly Trp Asn Gly His
 35 40 45

<210> 484

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 484

Met Arg Ser Phe Gln Asp Val Ser Ala Leu Glu Glu Trp Arg Gly Gly
 1 5 10 15

Lys Asp Leu Glu Pro Thr His Ser Leu Leu Leu Leu Leu Pro Leu Arg
 20 25 30

Asp Leu Leu Val Val Leu Gly Glu Ile Arg Lys Arg Gln Met Glu Gly
 35 40 45

Cys Val Trp Lys Gly Trp Gly Trp Asn Pro Glu Lys Trp Phe Ala Val
 50 55 60

Leu Ala Leu Pro Val Thr Thr Arg Val Thr Leu Gly Lys Ser Leu Ser
 65 70 75 80

Leu Ser Gly Xaa Gln Phe Leu His Leu Tyr Leu Glu Arg Val Gly Met
 85 90 95

Gly Thr Glu Val Leu Ser Ser Ser Asp Leu Leu
 100 105

<210> 485

<211> 118

<212> PRT

<213> Homo sapiens

<220>

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<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 485

Met	His	Pro	Ala	Gly	Pro	Thr	Phe	Met	Gly	Ser	Lys	Pro	Ile	Arg	Glu
1				5					10					15	
Gln	Gln	Phe	Gly	Pro	Asp	Ala	Cys	Leu	Leu	Leu	Leu	Cys	Val	Ala	Met
			20					25					30		
Ala	Gly	Thr	Glu	Ala	Ser	Arg	Ala	Ala	Gln	Gln	Cys	Thr	Ser	Gln	Lys
			35				40					45			
Val	Arg	Ala	Gly	Gln	Asp	Phe	Ser	Ala	His	Ser	Asn	Pro	Xaa	Gln	Ile
	50					55					60				
Gln	Val	Glu	Lys	Leu	Xaa	Pro	Arg	Glu	Gly	Gln	Gly	Leu	Ala	Gln	Gly
65					70					75				80	
His	Ser	Gly	Cys	Tyr	Arg	Gln	Ser	Gln	Asp	Arg	Lys	Pro	Phe	Leu	Arg
				85					90					95	
Ile	Pro	Ser	Pro	Pro	Phe	Pro	Tyr	Thr	Thr	Leu	His	Leu	Pro	Phe	Pro
			100					105					110		
Asp	Phe	Ala	Lys	Asn	His										
			115												

<210> 486

<211> 61

<212> PRT

<213> Homo sapiens

<400> 486

Met	His	Pro	Ala	Gly	Pro	Thr	Phe	Met	Gly	Ser	Lys	Pro	Ile	Arg	Glu
1				5					10					15	
Gln	Gln	Phe	Gly	Pro	Asp	Ala	Cys	Leu	Leu	Leu	Leu	Cys	Val	Ala	Met
			20					25					30		
Ala	Gly	Thr	Glu	Ala	Ser	Arg	Ala	Ala	Gln	Gln	Cys	Thr	Ser	Gln	Lys
			35				40					45			
Val	Arg	Ala	Gly	Gln	Asp	Phe	Ser	Ala	His	Ser	Asn	Pro			
	50					55					60				

<210> 487

<211> 48

<212> PRT

<213> Homo sapiens

<400> 487

Pro Arg Glu Gly Gln Gly Leu Ala Gln Gly His Ser Gly Cys Tyr Arg
 1 5 10 15
 Gln Ser Gln Asp Arg Lys Pro Phe Leu Arg Ile Pro Ser Pro Pro Phe
 20 25 30
 Pro Tyr Thr Thr Leu His Leu Pro Phe Pro Asp Phe Ala Lys Asn His
 35 40 45

<210> 488
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 488
 Asp Pro Arg Val Arg Lys Pro Pro Thr Ala Thr Leu Thr Thr Ala Arg
 1 5 10 15
 Thr Arg Pro Thr Thr Asp
 20

<210> 489
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 489
 Ala Ala Leu Glu Ala Ser Val Pro Ala Ile Ala Thr Gln Arg Ser Ser
 1 5 10 15
 Arg Gln Ala Ser Gly Pro Asn Cys Cys Ser Leu Met Gly Leu Asp Pro
 20 25 30
 Met Lys Val Gly Pro Ala Gly Cys Ile Ser Trp Asp Ser Val Glu Ala
 35 40 45

Asp Gln Val Ala Gly Ala Ser Gly Gly Arg Ile Glu Val Lys Gly Cys
 50 55 60

Gly Met Glu Asn Leu Xaa Arg Leu His Leu Gly Ser Gly Lys Gly Gln
 65 70 75 80

Xaa Xaa

<210> 490

<211> 99

<212> PRT

<213> Homo sapiens

<400> 490

Met Leu His Arg Gln Trp Leu Thr Val Arg Arg Ala Gly Gly Pro Pro
 1 5 10 15

Arg Thr Asp Gln Gln Arg Arg Thr Val Arg Cys Leu Arg Asp Thr Val
 20 25 30

Leu Leu Leu His Gly Leu Ser Gln Lys Asp Lys Leu Phe Met Met His
 35 40 45

Cys Val Glu Val Leu His Gln Phe Asp Gln Val Met Pro Gly Val Ser
 50 55 60

Met Leu Ile Arg Gly Leu Pro Asp Val Thr Asp Cys Glu Glu Ala Ala
 65 70 75 80

Leu Asp Asp Leu Cys Ala Ala Glu Thr Asp Val Glu Asp Pro Glu Val
 85 90 95

Glu Cys Gly

<210> 491

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 491

Gly Xaa Ala Asn Pro Glu Asp Ser Val Cys Ile Leu Glu Gly Phe Ser
 1 5 10 15

Val Thr Ala Leu Ser Ile Leu Gln His Leu Val Cys His Ser Gly Ala
 20 25 30

Val Arg Leu Pro Ile Thr Val Arg Ser Gly Gly Arg Phe Cys Cys Trp
 35 40 45

Gly Arg Lys Gln Glu Pro Gly Ser Gln Xaa Ser Asp Gly Asp
 50 55 60

<210> 492

<211> 65

<212> PRT

<213> Homo sapiens

<400> 492

Ala Val Gln Gln Gln His Arg Val Pro Gln Thr Ala His Cys Pro Pro
 1 5 10 15

Leu Leu Val Gly Pro Trp Gly Ser Pro Cys Pro Pro His Cys Gln Pro
 20 25 30

Leu Ser Val Gln His His Arg Glu Arg Ser Asp His Leu His Ile Thr
 35 40 45

Leu Ala Val Gly Ala Ser Asp Trp Gly Gln Gly Ala Leu Ala His Gln
 50 55 60

Ala
 65

<210> 493

<211> 220

<212> PRT

<213> Homo sapiens

<400> 493

Pro Lys Thr Leu Pro Val Ile Ser Cys Pro Gly Ser Ser Val Cys Ser
 1 5 10 15

Lys Cys Cys Gln Ser Ala Ser Ala Gln Arg His Pro Cys Leu Ala Cys
 20 25 30

Cys Trp Leu Leu Ser Ser Ser Pro Cys Trp Arg Thr Thr Thr Ser Trp
 35 40 45

His Leu Ser Ser Val Pro Thr Gln Lys Ala Ala Ser Cys Cys Cys Cys
 50 55 60

Thr Cys Thr Ser His His Gly Leu Thr Glu Trp Pro Trp Arg His Asn
 65 70 75 80

Gly Ser Ser Trp Asn Lys Arg Trp Cys Gly Ser Trp Leu Ser Leu Val
 85 90 95
 Cys Lys Ser Pro Leu Pro Pro Val Thr Gly Ser Asn Cys Gln Cys Asn
 100 105 110
 Val Glu Val Val Arg Ala Leu Thr Val Met Leu His Arg Gln Trp Leu
 115 120 125
 Thr Val Arg Arg Ala Gly Gly Pro Pro Arg Thr Asp Gln Gln Arg Arg
 130 135 140
 Thr Val Arg Cys Leu Arg Asp Thr Val Leu Leu Leu His Gly Leu Ser
 145 150 155 160
 Gln Lys Asp Lys Leu Phe Met Met His Cys Val Glu Val Leu His Gln
 165 170 175
 Phe Asp Gln Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro
 180 185 190
 Asp Val Thr Asp Cys Glu Glu Ala Ala Leu Asp Asp Leu Cys Ala Ala
 195 200 205
 Glu Thr Asp Val Glu Asp Pro Glu Val Glu Cys Gly
 210 215 220

<210> 494

<211> 223

<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 494

Gly Xaa Ala Asn Pro Glu Asp Ser Val Cys Ile Leu Glu Gly Phe Ser
 1 5 10 15
 Val Thr Ala Leu Ser Ile Leu Gln His Leu Val Cys His Ser Gly Ala
 20 25 30
 Val Arg Leu Pro Ile Thr Val Arg Ser Gly Gly Arg Phe Cys Cys Trp
 35 40 45

Gly Arg Lys Gln Glu Pro Gly Ser Gln Xaa Ser Asp Gly Asp Met Thr

50					55					60					
Ser	Ala	Leu	Arg	Gly	Val	Ala	Asp	Asp	Gln	Gly	Gln	His	Pro	Leu	Leu
65					70					75					80
Lys	Met	Leu	Leu	His	Leu	Leu	Ala	Phe	Ser	Ser	Ala	Ala	Thr	Gly	His
				85					90					95	
Leu	Gln	Ala	Ser	Val	Leu	Thr	Gln	Cys	Leu	Lys	Val	Leu	Val	Lys	Leu
			100					105					110		
Ala	Glu	Asn	Thr	Ser	Cys	Asp	Phe	Leu	Pro	Arg	Phe	Gln	Cys	Val	Phe
		115					120					125			
Gln	Val	Leu	Pro	Lys	Cys	Leu	Ser	Pro	Glu	Thr	Pro	Leu	Pro	Ser	Val
	130					135					140				
Leu	Leu	Ala	Val	Glu	Leu	Leu	Ser	Leu	Leu	Ala	Asp	His	Asp	Gln	Leu
145						150					155				160
Ala	Pro	Gln	Leu	Cys	Ser	His	Ser	Glu	Gly	Cys	Leu	Leu	Leu	Leu	Leu
				165					170					175	
Tyr	Met	Tyr	Ile	Thr	Ser	Arg	Pro	Asp	Arg	Val	Ala	Leu	Glu	Thr	Gln
			180					185					190		
Trp	Leu	Gln	Leu	Glu	Gln	Glu	Val	Val	Trp	Leu	Leu	Ala	Lys	Leu	Gly
		195					200					205			
Val	Gln	Glu	Pro	Leu	Ala	Pro	Ser	His	Trp	Leu	Gln	Leu	Pro	Val	
	210					215					220				
<210> 495															
<211> 123															
<212> PRT															
<213> Homo sapiens															
<400> 495															
Gln	Ser	Pro	Leu	Pro	Pro	Val	Thr	Gly	Ser	Asn	Cys	Gln	Cys	Asn	Val
1				5					10					15	
Glu	Val	Val	Arg	Ala	Leu	Thr	Val	Met	Leu	His	Arg	Gln	Trp	Leu	Thr
			20					25					30		
Val	Arg	Arg	Ala	Gly	Gly	Pro	Pro	Arg	Thr	Asp	Gln	Gln	Arg	Arg	Thr
		35				40					45				
Val	Arg	Cys	Leu	Arg	Asp	Thr	Val	Leu	Leu	Leu	His	Gly	Leu	Ser	Gln
	50					55					60				
Lys	Asp	Lys	Leu	Phe	Met	Met	His	Cys	Val	Glu	Val	Leu	His	Gln	Phe
65						70					75				80
Asp Gln Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro Asp															

	85		90		95
Val Thr Asp Cys Glu Glu Ala Ala Leu Asp Asp Leu Cys Ala Ala Glu	100		105		110
Thr Asp Val Glu Asp Pro Glu Val Glu Cys Gly	115		120		

<210> 496
 <211> 63
 <212> PRT
 <213> Homo sapiens

Gln Ser Pro Leu Pro Pro Val Thr Gly Ser Asn Cys Gln Cys Asn Val	1	5	10	15
Glu Val Val Arg Ala Leu Thr Val Met Leu His Arg Gln Trp Leu Thr	20	25	30	
Val Arg Arg Ala Gly Gly Pro Pro Arg Thr Asp Gln Gln Arg Arg Thr	35	40	45	
Val Arg Cys Leu Arg Asp Thr Val Leu Leu Leu His Gly Leu Ser	50	55	60	

<210> 497
 <211> 60
 <212> PRT
 <213> Homo sapiens

Gln Lys Asp Lys Leu Phe Met Met His Cys Val Glu Val Leu His Gln	1	5	10	15
Phe Asp Gln Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro	20	25	30	
Asp Val Thr Asp Cys Glu Glu Ala Ala Leu Asp Asp Leu Cys Ala Ala	35	40	45	
Glu Thr Asp Val Glu Asp Pro Glu Val Glu Cys Gly	50	55	60	

<210> 498
 <211> 50
 <212> PRT
 <213> Homo sapiens

Cys Leu Arg Asp Thr Val Leu Leu Leu His Gly Leu Ser Gln Lys Asp	1	5	10	15
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Lys Leu Phe Met Met His Cys Val Glu Val Leu His Gln Phe Asp Gln
 20 25 30

Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro Asp Val Thr
 35 40 45

Asp Cys
 50

<210> 499

<211> 102

<212> PRT

<213> Homo sapiens

<400> 499

Met Ser Gly Gln Leu Asp Ala Arg Pro Ala Ala Ala Leu His Pro Gln
 1 5 10 15

Gly Leu Ala His Pro Leu Trp Thr Cys Leu Leu Pro Arg Lys Gly Pro
 20 25 30

Ser Glu Val Pro Gln Arg Pro Pro Gln Leu Trp Val Val Ser Ile Ser
 35 40 45

Val Leu Gln Gly Gln His Arg Gly Arg Ala Gly Pro Arg Asp Glu Gln
 50 55 60

Ser Val Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile
 65 70 75 80

Tyr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln
 85 90 95

Gly Asp Ser Leu Glu Trp
 100

<210> 500

<211> 20

<212> PRT

<213> Homo sapiens

<400> 500

Ser Val Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile
 1 5 10 15

Tyr Leu His Asp
 20

<210> 501

<211> 17

<212> PRT

<213> Homo sapiens

<400> 501

Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly Asp Ser Leu
 1 5 10 15

Glu

<210> 502

<211> 14

<212> PRT

<213> Homo sapiens

<400> 502

Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg
 1 5 10

<210> 503

<211> 39

<212> PRT

<213> Homo sapiens

<400> 503

Met Leu Gly Leu Leu Leu Leu Cys Thr Pro Arg Ala Trp Leu Thr Leu
 1 5 10 15

Ser Gly Pro Val Cys Phe Gln Gly Arg Asp Pro Leu Arg Ser His Arg
 20 25 30

Gly His Pro Ser Cys Gly Ser
 35

<210> 504

<211> 11

<212> PRT

<213> Homo sapiens

<400> 504

His Gly Phe Pro Glu Phe Trp Tyr Ser Trp Arg
 1 5 10

<210> 505

<211> 10

<212> PRT

<213> Homo sapiens

<400> 505

Ala Ser His Trp Leu Gln Gln Asp Gln Pro
 1 5 10

<210> 506
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 506
 Pro Ile Asn His Tyr Arg Asn Ile Phe
 1 5

<210> 507
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 507
 Tyr Pro Glu Met Val Met Lys Leu Ile
 1 5

<210> 508
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 508
 Pro Glu Phe Trp Tyr Ser Trp Arg Tyr Gln Leu Arg Glu Phe
 1 5 10

<210> 509
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 509
 His Asp Trp Gly Gly Met Ile Ala Trp
 1 5

<210> 510
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 510
 Arg Leu Gly Ala Val Leu Thr Pro Val Ile Pro Ala Leu Trp Glu Ala
 1 5 10 15

Glu Ala Ser Arg Ser Pro Glu Thr Arg Ser Leu Arg Pro Ala Trp
 20 25 30

<210> 511


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<210> 512
<211> 16
<212> PRT
<213> Homo sapiens
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<210> 513
<211> 10
<212> PRT
<213> Homo sapiens
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<210> 514
<211> 18
<212> PRT
<213> Homo sapiens
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Pro His

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<210> 515
<211> 16
<212> PRT
<213> Homo sapiens
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<400> 515
Asn Ile Ile Phe Ser Asn Gly Asn Leu Asp Pro Trp Ala Gly Gly Gly
1 5 10 15

<210> 516
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 516
 Ala Met Met Asp Tyr Pro Tyr Pro Thr Asp Phe Leu Gly Pro Leu Pro
 1 5 10 15

Ala Asn Pro Val Lys Val
 20

<210> 517
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 517
 Phe Tyr Thr Gly Asn Glu Gly Asp
 1 5

<210> 518
 <211> 490
 <212> PRT
 <213> Homo sapiens

<400> 518
 Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Leu Ala Leu Gly Leu
 1 5 10 15

Arg Gly Leu Gln Ala Gly Ala Arg Ser Gly Pro Arg Leu Pro Gly Ala
 20 25 30

Leu Leu Pro Ala Ala Ser Gly Pro Leu Gln Leu Arg Ala Leu Arg Gln
 35 40 45

Gln Asp Leu Pro Ser Ala Leu Pro Gly Val Gly Gln Val Leu Gly Pro
 50 55 60

Gly Arg Gly Ala His Leu Leu Leu His Trp Glu Arg Gly Arg Arg Val
 65 70 75 80

Gly Leu Arg Gln Gln Leu Gly Leu Arg Arg Gly Leu Ala Ala Glu Arg
 85 90 95

Gly Ala Leu Leu Val Phe Ala Glu His Arg Tyr Tyr Gly Lys Ser Leu
 100 105 110

Pro Phe Gly Ala Gln Ser Thr Gln Arg Gly His Thr Glu Leu Leu Thr
 115 120 125

Val	Glu	Gln	Ala	Leu	Ala	Asp	Phe	Ala	Glu	Leu	Leu	Arg	Ala	Leu	Arg	130	135	140	
Arg	Asp	Leu	Gly	Ala	Gln	Asp	Ala	Pro	Ala	Ile	Ala	Phe	Gly	Gly	Ser	145	150	155	160
Tyr	Gly	Gly	Met	Leu	Ser	Ala	Tyr	Leu	Arg	Met	Lys	Tyr	Pro	His	Leu	165	170	175	
Val	Ala	Gly	Ala	Leu	Ala	Ala	Ser	Ala	Pro	Val	Leu	Ser	Val	Ala	Gly	180	185	190	
Leu	Gly	Asp	Ser	Asn	Gln	Phe	Phe	Arg	Asp	Val	Thr	Ala	Asp	Phe	Glu	195	200	205	
Gly	Gln	Ser	Pro	Lys	Cys	Thr	Gln	Gly	Val	Arg	Glu	Ala	Phe	Arg	Gln	210	215	220	
Ile	Lys	Asp	Leu	Phe	Leu	Gln	Gly	Ala	Tyr	Asp	Thr	Val	Arg	Trp	Glu	225	230	235	240
Phe	Gly	Thr	Cys	Gln	Pro	Leu	Ser	Asp	Glu	Lys	Asp	Leu	Thr	Gln	Leu	245	250	255	
Phe	Met	Phe	Ala	Arg	Asn	Ala	Phe	Thr	Val	Leu	Ala	Met	Met	Asp	Tyr	260	265	270	
Pro	Tyr	Pro	Thr	Asp	Phe	Leu	Gly	Pro	Leu	Pro	Ala	Asn	Pro	Val	Lys	275	280	285	
Val	Gly	Cys	Asp	Arg	Leu	Leu	Ser	Glu	Ala	Gln	Arg	Ile	Thr	Gly	Leu	290	295	300	
Arg	Ala	Leu	Ala	Gly	Leu	Val	Tyr	Asn	Ala	Ser	Gly	Ser	Glu	His	Cys	305	310	315	320
Tyr	Asp	Ile	Tyr	Arg	Leu	Tyr	His	Ser	Cys	Ala	Asp	Pro	Thr	Gly	Cys	325	330	335	
Gly	Thr	Gly	Pro	Asp	Ala	Arg	Ala	Trp	Asp	Tyr	Gln	Ala	Cys	Thr	Glu	340	345	350	
Ile	Asn	Leu	Thr	Phe	Ala	Ser	Asn	Asn	Val	Thr	Asp	Met	Phe	Pro	Asp	355	360	365	
Leu	Pro	Phe	Thr	Asp	Glu	Leu	Arg	Gln	Arg	Tyr	Cys	Leu	Asp	Thr	Trp	370	375	380	
Gly	Val	Trp	Pro	Arg	Pro	Asp	Trp	Leu	Leu	Thr	Ser	Phe	Trp	Gly	Gly	385	390	395	400
Asp	Leu	Arg	Ala	Ala	Ser	Asn	Ile	Ile	Phe	Ser	Asn	Gly	Asn	Leu	Asp	405	410	415	

Pro Trp Ala Gly Gly Gly Ile Arg Arg Asn Leu Ser Ala Ser Val Ile
 420 425 430

Ala Val Thr Ile Gln Gly Gly Ala His His Leu Asp Leu Arg Ala Ser
 435 440 445

His Pro Glu Asp Pro Ala Ser Val Val Glu Ala Arg Lys Leu Glu Ala
 450 455 460

Thr Ile Ile Gly Glu Trp Val Lys Ala Ala Arg Arg Glu Gln Gln Pro
 465 470 475 480

Ala Leu Arg Gly Gly Pro Arg Leu Ser Leu
 485 490

<210> 519
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 519
 Cys Ser Val Phe Pro Pro Ser Leu Trp Phe Tyr Leu Pro Leu Val Phe
 1 5 10 15

Asp Asp Gly Asp Val Gln
 20

<210> 520
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (113)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 520
 Gly Val Ser Leu Pro Leu Leu Gly Asp Ala Ser Gln Leu Gly Tyr Leu
 1 5 10 15

Gly Val Arg Asp Ala Leu Glu Glu Ala Leu Cys Leu Phe Ser Asp Val
 20 25 30

Gln Leu Cys Ala Gly Arg Thr Ser Ala Leu Phe Lys Ala Xaa Arg Gln
 35 40 45

Gly Arg Leu Ser Leu Gln Arg Ile Leu Leu Pro Phe Val Trp Leu Cys

50		55		60											
Pro	Ala	Pro	Gln	Arg	Trp	Ser	Leu	Gln	Arg	Gln	Ala	Gly	Leu	Leu	Glu
65					70					75					80
Leu	Arg	Trp	Ala	Pro	Pro	Ser	Ser	Ser	Phe	Leu	Ala	Ala	Leu	Phe	Thr
			85						90					95	
Pro	Ser	Ser	Leu	Gly	Asn	Gly	Gly	Arg	Pro	Ser	Pro	Ser	Leu	Thr	Ala
			100					105					110		
Xaa	Leu	Gln	Phe	Asp	Leu	Arg	Leu	Leu	Cys						
	115						120								

<210> 521

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 521

Val	Cys	Arg	Gly	Phe	Cys	Cys	Leu	Leu	Phe	Gly	Cys	Ala	Leu	Pro	Pro
1				5					10					15	

Arg	Gly	Gly	Val	Tyr	Arg	Gly	Arg	Gln	Ala	Ser	Leu	Asn	Cys	Gly	Gly
			20					25					30		

Leu	His	Arg	Val	Arg	Val	Ser	Trp	Pro	Leu	Cys	Leu	Pro	Pro	Gln	Ala
		35					40					45			

Ser	Ala	Met	Val	Gly	Ala	Pro	Pro	Pro	Ala	Ser	Leu	Pro	Xaa	Cys	Ser
	50					55					60				

Leu	Ile	Ser	Asp	Cys	Cys	Ala	Ser	Asn	Xaa
65					70				

<210> 522

<211> 34

<212> PRT

<213> Homo sapiens

<400> 522

Met	Ser	His	Lys	His	Met	Arg	Arg	Ser	Ala	Thr	Ser	Tyr	Ile	Ile	Arg
1				5					10					15	

Glu Arg Gln Ile Lys Ile Ile Val Arg Tyr His Tyr Thr Pro Ile Met
 20 25 30

Thr Thr

<210> 523
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 523
 Ile Arg Glu Arg Gln Ile Lys Ile Ile Val Arg Tyr His Tyr Thr Pro
 1 5 10 15

<210> 524
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 524
 Lys Lys Thr Cys Thr Met Phe Ile Ala Thr Leu Phe Thr
 1 5 10

<210> 525
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 525
 Glu Lys Ile Phe Ala Lys His Leu Ser Val Lys Gly Leu
 1 5 10

<210> 526
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 526

Ser Val Ala Ser Val Phe Ile Pro Leu Lys Val Ser Val Thr Lys Gln
 1 5 10 15
 Phe Ile Phe Phe Xaa Phe Phe Phe Phe Leu Arg Arg Ser Leu Ala Pro
 20 25 30
 Ala Trp Val Ala Glu Arg Xaa Thr Ser Gln Glu Thr Lys Gln Asn Lys
 35 40 45
 Lys Thr Pro Gln Leu Arg Gly Lys Val Ala His Ala Cys Asp Pro Ile
 50 55 60
 Thr Leu Gly Gly Arg Arg Trp Glu Val Gly Glu Ser Leu Glu Ala Arg
 65 70 75 80
 Ser Pro Ser

<210> 527

<211> 184

<212> PRT

<213> Homo sapiens

<400> 527

Tyr Met Cys Cys Pro Phe Val Leu Asp Lys Asp Gly Val Ser Ala Ala
 1 5 10 15
 Val Ile Ser Ala Glu Leu Ala Ser Phe Leu Ala Thr Lys Asn Leu Ser
 20 25 30
 Leu Ser Gln Gln Leu Lys Ala Ile Tyr Val Glu Tyr Gly Tyr His Ile
 35 40 45
 Thr Lys Ala Ser Tyr Phe Ile Cys His Asp Gln Glu Thr Ile Lys Lys
 50 55 60
 Leu Phe Glu Asn Leu Arg Asn Tyr Asp Gly Lys Asn Asn Tyr Pro Lys
 65 70 75 80
 Ala Cys Gly Lys Phe Glu Ile Ser Ala Ile Arg Asp Leu Thr Thr Gly
 85 90 95
 Tyr Asp Asp Ser Gln Pro Asp Lys Lys Ala Val Leu Pro Thr Ser Lys
 100 105 110
 Ser Ser Gln Met Ile Thr Phe Thr Phe Ala Asn Gly Gly Val Ala Thr
 115 120 125
 Met Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys Tyr Tyr Ala Glu Leu
 130 135 140
 Cys Ala Pro Pro Gly Asn Ser Asp Pro Glu Gln Leu Lys Lys Glu Leu

145 150 155 160
 Asn Glu Leu Val Ser Ala Ile Glu Glu His Phe Phe Gln Pro Gln Lys
 165 170 175

Tyr Asn Leu Gln Pro Lys Ala Asp
 180

<210> 528
 <211> 199
 <212> PRT
 <213> Homo sapiens

<400> 528
 Ala Arg Gly Lys Thr Val Leu Phe Ala Phe Glu Glu Ala Ile Gly Tyr
 1 5 10 15

Met Cys Cys Pro Phe Val Leu Asp Lys Asp Gly Val Ser Ala Ala Val
 20 25 30

Ile Ser Ala Glu Leu Ala Ser Phe Leu Ala Thr Lys Asn Leu Ser Leu
 35 40 45

Ser Gln Gln Leu Lys Ala Ile Tyr Val Glu Tyr Gly Tyr His Ile Thr
 50 55 60

Lys Ala Ser Tyr Phe Ile Cys His Asp Gln Glu Thr Ile Lys Lys Leu
 65 70 75 80

Phe Glu Asn Leu Arg Asn Tyr Asp Gly Lys Asn Asn Tyr Pro Lys Ala
 85 90 95

Cys Gly Lys Phe Glu Ile Ser Ala Ile Arg Asp Leu Thr Thr Gly Tyr
 100 105 110

Asp Asp Ser Gln Pro Asp Lys Lys Ala Val Leu Pro Thr Ser Lys Ser
 115 120 125

Ser Gln Met Ile Thr Phe Thr Phe Ala Asn Gly Gly Val Ala Thr Met
 130 135 140

Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys Tyr Tyr Ala Glu Leu Cys
 145 150 155 160

Ala Pro Pro Gly Asn Ser Asp Pro Glu Gln Leu Lys Lys Glu Leu Asn
 165 170 175

Glu Leu Val Ser Ala Ile Glu Glu His Phe Phe Gln Pro Gln Lys Tyr
 180 185 190

Asn Leu Gln Pro Lys Ala Asp
 195

<210> 529
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 529
 Asp Lys Asp Gly Val Ser Ala Ala Val Ile Ser Ala Glu Leu Ala Ser
 1 5 10 15

Phe Leu

<210> 530
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 530
 Arg Asp Leu Thr Thr Gly Tyr Asp Asp Ser Gln Pro Asp
 1 5 10

<210> 531
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 531
 Lys Ala Val Leu Pro Thr Ser Lys Ser Ser Gln Met Ile Thr Phe
 1 5 10 15

<210> 532
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 532
 Thr Met Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys Tyr Tyr Ala Glu
 1 5 10 15

Leu